

# 24th Cannabis Cup Issue

# HIGHTIMES

April 435

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See p.78

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Winner

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(aka...)

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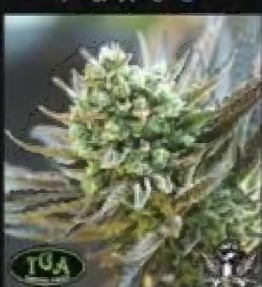
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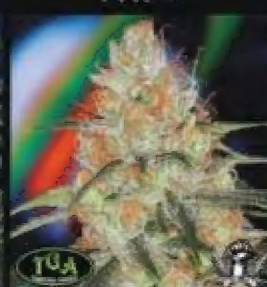
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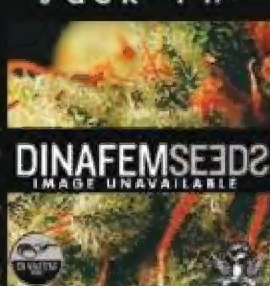
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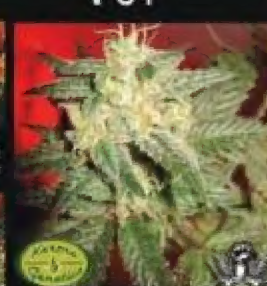
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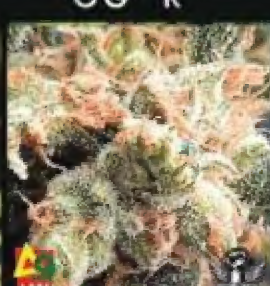
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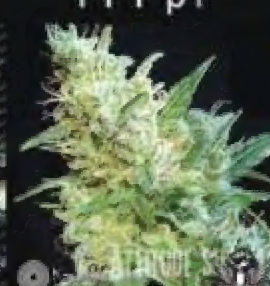
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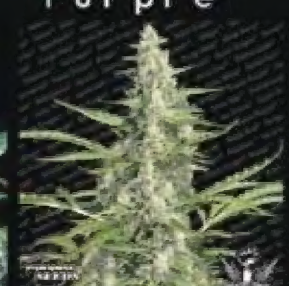
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# HIGH TIMES APRIL



*For nearly a quarter of a century, marijuana enthusiasts from across the world have converged on the city of Amsterdam for a single week in November to attend the largest, oldest, most successful event of its kind: the HIGH TIMES Cannabis Cup.*

*—Burning Down Borchland, Page 49*

## 8 Editor's Letter

## 10 Letters

## 14 Contact High

## 21 Highwitness News

*The Cup Runneth Over (p.21)*

*High Tunes (p.27)*

*B-Real (p.30)*

*Egypt Central (p.32)*

*Reviews (p.34)*

*Paul Rudd (p.36)*

*Internet (p.40)*

*Food (p.42)*

*Gear (p.44)*

*Markets (p.46)*

## 99 Dear Danko

## 106 Ask Dr. Mitch

## 108 Adventures in the Counterculture

## 110 Almost Infamous

## 112 NORMLizer/FFOTM

## 120 Pix of the Crop

## 126 Next Month

## 132 The Pot 40

## 49 Burning Down Borchland

The shit hits the windmill when Dutch police show up at the 24<sup>th</sup> Cannabis Cup. Still, the Cup triumphed. *By Bobby Black*

## 66 Cup-Winning Strains

As always, Amsterdam rolled out the finest strains from local gardens. But international buds were in the lineup of competitors as well. Here's the lowdown. *By Danny Danko*

## 72 Upper Echelon

A master grower is cultivating top strains on the rugged Upper Peninsula of Michigan and his top strain is named for star NBAer Allen Iverson. *By Dan Skye*

## 78 Bigger Yields Made Easy

Indoor growing poses a whole set of problems, but this easy-to-follow guide will maximize your gardens. *By Nico Escondido*

## 84 Beware the Box Canyon

Perhaps it's time to refocus the legalization debate on the end of cannabis prohibition, rather than medical use rights alone. *By "Radical" Russ Belville*

## 90 High Times Interview with Snoop Dogg and Wiz Khalifa

We throw a private Cannabis Cup for the two biggest chronic stars on the planet as they discuss their new movie, *Mac and Devin Go To High School*. *By Chris Simunek*



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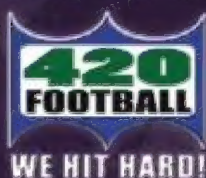


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# Nobody Beats the Wiz

**T**IME HAS ITS Man of the Year, *People* has its Sexiest Man Alive, and HIGH TIMES has its Stoner of the Year. It is an award meant to recognize an artist whose dedication to the Tetrahydrocannabinol molecule permeates all corners of their work. Recently, while HIGH TIMES was in Hollywood, with Snoop Dogg and Wiz Khalifa, putting together the “Mac and Devin” portion of this issue, Snoop made a spontaneous announcement:



“It gives me great honor and pleasure, being, on the fact, that I have won the Stoner of the Year before, and I am on the *Board* of Stoners, for me to take time right now to say my recommendation/nomination for Stoner of the Year is none other than Pittsburgh’s finest, yes sir, Mr. Wiz Khalifa. Who better than? I mean, he smoked everywhere he went, he did it high, he did it low, he did it underwater, he did it on the seas, he did it everywhere he went. I mean, he’s the uncut *champeen*. He’s the Stoner of the Year, man, and this is comin’ from me, Snoop Dogg. If I say

so, you better do it. Stoner of the Year, Wiz Khalifa, HIGH TIMES magazine.”

Never before has a candidate come with such a sterling reference. Snoop was feeling the spirit of the Kosher Kush we’d been smoking during the photo shoot, and having been Stoner of the Year back in 2002, knew what the qualifications were, and recognized those qualities in his co-star and protégé.

Later, Snoop pressed upon Wiz the importance of the position:

“You gotta roll with it for 12 months, like, even on your off day, you gotta be on. That’s a prestigious award. To have that on your mantel, sitting alongside those other prestigious awards that you’re going to win in your illustrious career, it means so much. When I won it, I moved all kinds of shit out of the way. American Music Awards, BET Awards—I moved them motherfuckers out of the way. My kids were like, ‘What’s that, Dad?’ I said, ‘You don’t know what the fuck that is? That’s the Stoner of the Year!’”

Needless to say, with props like that, Wiz Khalifa is waaaaayyyy out in front in this year’s contest.

So sit back and enjoy this SUPER SPECIAL issue of HIGH TIMES, which has Snoop and Wiz—whose new movie *Mac and Devin Go To High School* is burning up theaters around the country—taking time to give their opinions on Method acting, high school revelry and this year’s Cannabis Cup winners.

Sincerely,

*Chris Simunek*

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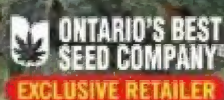
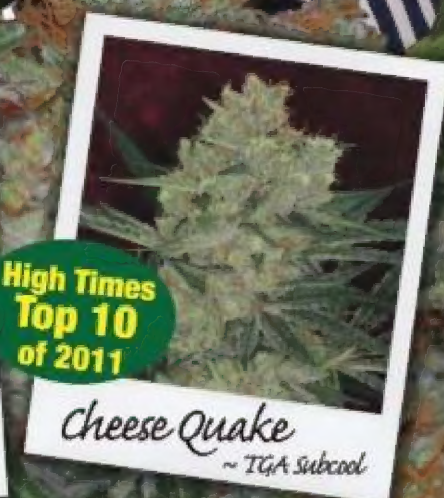
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### Pissed About Poppies

I tested positive for opiates in a recent urine test, but I do NOT take drugs of any kind and have no idea how this could've happened. I did eat half a poppy bagel the morning of the test, but everything I've read states that I would've had to consume a large amount to come up positive for opiates. If that's true, what could possibly cause a positive result when no opiate-based drug (or any other kind of non-prescription drug) has been taken? Have you heard of this before?

—John W.

Drug-testing companies claim they've eliminated false positives, but that's not true. On April 30, 2010, a Pennsylvania woman had her newborn child removed from her care after she failed a hospital drug test. Sure enough, two hours before giving birth, she had eaten an "everything" bagel with poppy seeds on it.

### Just Say No...Newt!

I'm sure you're all aware what an ass Newt Gingrich is, but if not, please check out the interview at a recent book-signing event he did over the Thanksgiving weekend. Pot smokers everywhere need to know not to vote for this man. Similar to the grassroots campaign that Barack Obama launched to get young and Black Americans registered to vote, something needs to be done again to ensure that, no matter what, Gingrich doesn't win.

—Curt

### Election Hindsight

I recently had a conversation with an attorney assigned to work for the California Supreme Court. He has a theory that, in the 2010 election, cannabis growers in the Emerald Triangle counties voted in lockstep against Proposition 19, which would have legalized marijuana in California, in order to keep the prices in the wholesale and retail markets as high as possible.



**Because the shipping of seeds is illegal, those companies who choose to steal never face repercussions for their fraud.**

I question his veracity, but I did have the disturbing idea that this might be disinformation on the government's part to blacken the reputation of Emerald Triangle growers and cause dissension in the culture's ranks. What are your thoughts?

—Swamper

What? Disinformation propagated by Uncle Sam? Say it ain't so! But although the government does supply plenty of Drug War lies, the fact of the matter is that a number of growers in the state did vote against Prop. 19. However, it was overwhelmingly the anti-pot crowd that voted to defeat the measure. After all, most growers prefer legalization to prosecution.

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### Seed For Thought

I took the time recently to test some seed companies. The amount and diversity were surprising: With almost 700 varieties ordered, shipping was an issue, and the results were a little cloudy. Some companies had specials and used stealth shipping, but others never shipped their product at all. Because the shipping of seeds is illegal, those companies who choose to steal never face repercussions for their fraud.

In the end, I found that the fastest and most honest companies were the Dutch seed banks, most likely due to the length of time they've been in business and the prevailing laws in Holland. But beware of companies that advertise free shipping and discounts as high as 80 percent—you might get ripped off.

Unfortunately, the money involved in the cannabis industry these days has caused a blurring of the issues

surrounding medical use on the not-for-profit scene. I believe the industry should have complete freedom to create a new cannabis economy and a new commodities market. Filter out the bad seed banks and get medicine to the people. Let farmers grow in the local farm markets. Help the economy and free the weed—and free Marc Emery!

—Bird Seven Flying Free

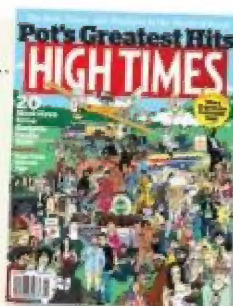
### Errata

The photo of the Occupy Wall Street meditation (March '12, *Contact High*) was miscredited. Tian Scherer is the photographer.

### COVER CONTEST

#### We Have A Winner!

On the cover of our January '12 issue, we had 92 pot stars appearing at a fantasy party. We invited you to enter our cover contest and name as many of the celebs as possible. No one got them all, but **Westley Cramer of Arlington, Texas**, came real close with 89—the highest total among our 200-plus entries. So congratulations to Westley—he'll be going to Amsterdam for the 25th Annual Cannabis Cup this November! And, for everyone else, here's the key to our cover:



**IN THE PLANE:** High Times founder Tom Forçade, Snoop Dogg. **ON THE CLOUD:** Tim Leary. **BACKGROUND LEFT:** Dennis Hopper, Peter Fonda, Willie Nelson. **BACKGROUND RIGHT:** Robert Parish, Harrison Ford, John Sinclair, Thomas Jefferson, Eddie Lepp, Redman, Hunter S. Thompson, Allen Ginsberg. **BEHIND THE BUS, LEFT:** Kareem Abdul-Jabbar, Bill Walton, Carl Sagan, Alanis Morissette. **INSIDE THE BUS:** The Trailer Park Boys, Ken Kesey. **ON THE BUS:** Jim Morrison, Syd Barrett, Oliver Stone. **ONSTAGE:** Jimi Hendrix, Bob Marley, Jerry

Garcia, Louis Armstrong, Blondie, the Beatles, Melissa Etheridge, George Washington. **RIGHT OF STAGE:** Dave Chappelle, Paris Hilton, Lady Gaga, Sarah Silverman, Tim Lincecum, Katt Williams, Barack Obama, Bill "Spaceman" Lee, Cypress Hill, Rob Van Dam, Wavy Gravy. **AT THE BACK:** The Iron Sheik, Jeff Bridges as "The Dude," Jack Nicholson, Benjamin Franklin, Justin Timberlake. **LEFT OF STAGE:** Michael Phelps, James Franco, Ozzy Osbourne, Ricky Williams, George Carlin, Abbie Hoffman, Policeman George W. Bush.

**BEHIND THE SPEAKER:** Howard Stern, Kristen Stewart, Mick Jagger. **IN FRONT OF STAGE:** Jack Black, Cameron Diaz, Peter Tosh (on unicycle), Rihanna, Bill Maher, Brad Pitt, Jennifer Aniston, Paul Rudd, Seth Rogen, Denis Perron, Doug Benson, Megan Fox, Bill Clinton. **FOREGROUND LEFT:** Damian Marley, Ziggy Marley, Drew Barrymore, Wiz Khalifa, Howard Marks, Method Man. **FOREGROUND RIGHT:** Mary Louise Parker and Brownie Mary, Charlize Theron, Cheech & Chong, RZA, Woody Harrelson, Jack Kerouac, Robert Mitchum.



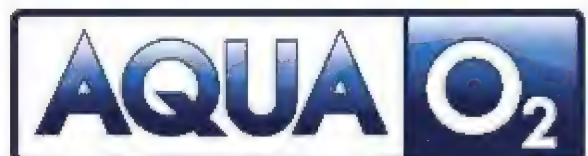
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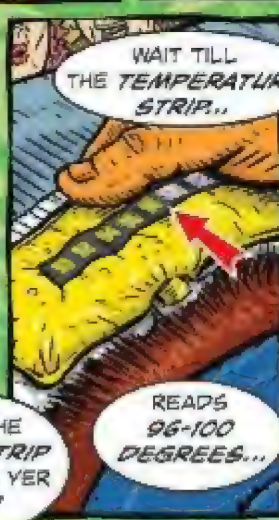
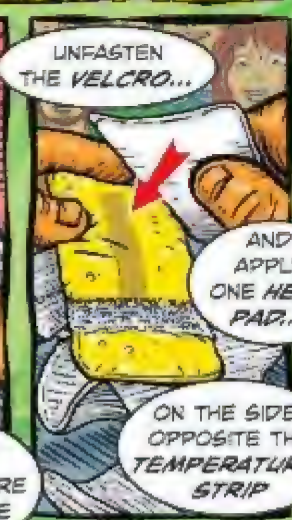
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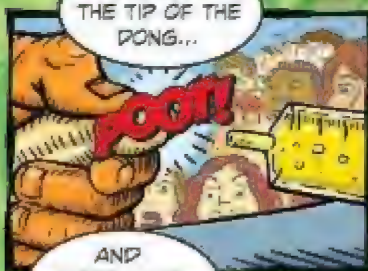


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**IN LOVE WITH LEIDSEPLEIN** If you're a first-timer in Amsterdam, there's no better place to begin your journey than the busy square at the southern end of Amsterdam's central canal ring known as Leidseplein. You're near a host of the city's top coffeeshops, and restaurants of every ethnicity abound—plus lovely Vondel Park is just a short stroll away. In the summertime, Leidseplein is alive with sidewalk cafes and street performers, while in winter, it features an outdoor skating rink. *Photo by Freebie*





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**RAY MACHINE #1** The products created by Roor, a glass smokeware company based in Germany, have been widely praised as “the Mercedes of paraphernalia.” So it was no surprise when Roor’s fabulously flashy creation, Ray Machine #1, blew away the competition in the glass category at the Cannabis Cup. In one hollow piece, a high-frequency transformer illuminates and ionizes a mixture of neon and xenon gas, which creates the orange color and violet flashes. (Ionized light, better known as plasma light, is characterized by such moving flashes.) Our verdict: Getting high is becoming increasingly complex! *Photo by Christoph Ascher*













April 2012 **High Times**

**MAC AND DEVIN GO TO THE CANNABIS CUP?** Actually, the Cannabis Cup came to them. We brought samples of all the winning entries from the 24<sup>th</sup> Annual HIGH TIMES Cannabis Cup in Amsterdam to a photo shoot Snoop and Wiz were doing to promote their new stoner comedy, *Mac and Devin Go To High School*. Of all the entries, they seemed to enjoy this mountain of Kosher Kush from DNA Genetics the most. Special thanks go out to Aaron, the shoot's bud coordinator. *Photo by Mark Mann*

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# Highwits News

Green House Seed Co. picked up first place in best product at this year's Cup

**Entertainment**  
**High Tunes**  
**at the 24<sup>th</sup> Cup**  
B.o.B lights up the crowd on opening night p.27



**Gear**  
**Gonzo Products**  
**for Pot Lovers**  
The award-winning Vaporfection viVape p.44



## The Cup Runneth Over

The biggest, best and brightest names in bud come together for five days under the Big Top in Amsterdam. *By Jen Bernstein*



**1.** The 24<sup>th</sup> HIGH TIMES Cannabis Cup drew an international audience where attendees sampled and viewed the best cannabis-related products, took part in judging and learned the latest from industry experts at seminars (like the one pictured here) featuring Don and Aaron from DNA Genetics.

**2.** Amsterdam's Queen of Hash, Mila the Pollinator, lit up the room with her smile—and a big bag of keif during her hash-making presentation.

**3.** Cali Connection kicked-off the Expo's opening night with a performance by Atlanta rapper B.O.B. who tossed free joints to the weed hungry crowd.







4. Boston of NorCal Genetics sparked a spliff using his Bee Line organic hemp wick.

5. Soma from Soma's Sacred Seeds displayed some serious style at his booth with papers, tips, and an impressive assortment of vaporizers and seeds.

6. Raw carried an assortment of unbleached rolling papers with the favorite among judges being the Connoisseur pack which includes cardboard tips bound into the packaging.

7. Terry and his "buds" from T.H. Seeds reminded us to "Make Hemp Not War" and displayed the latest from Hemp Hoodlamb.

8. Barney's Farm, winner of best booth, fired up huge vapor bags full of Liberty Haze (Cannabis Cup winner) for the judges.

9. Big Buddha from Big Buddha Seeds won third place for best booth and best product during this year's competition.







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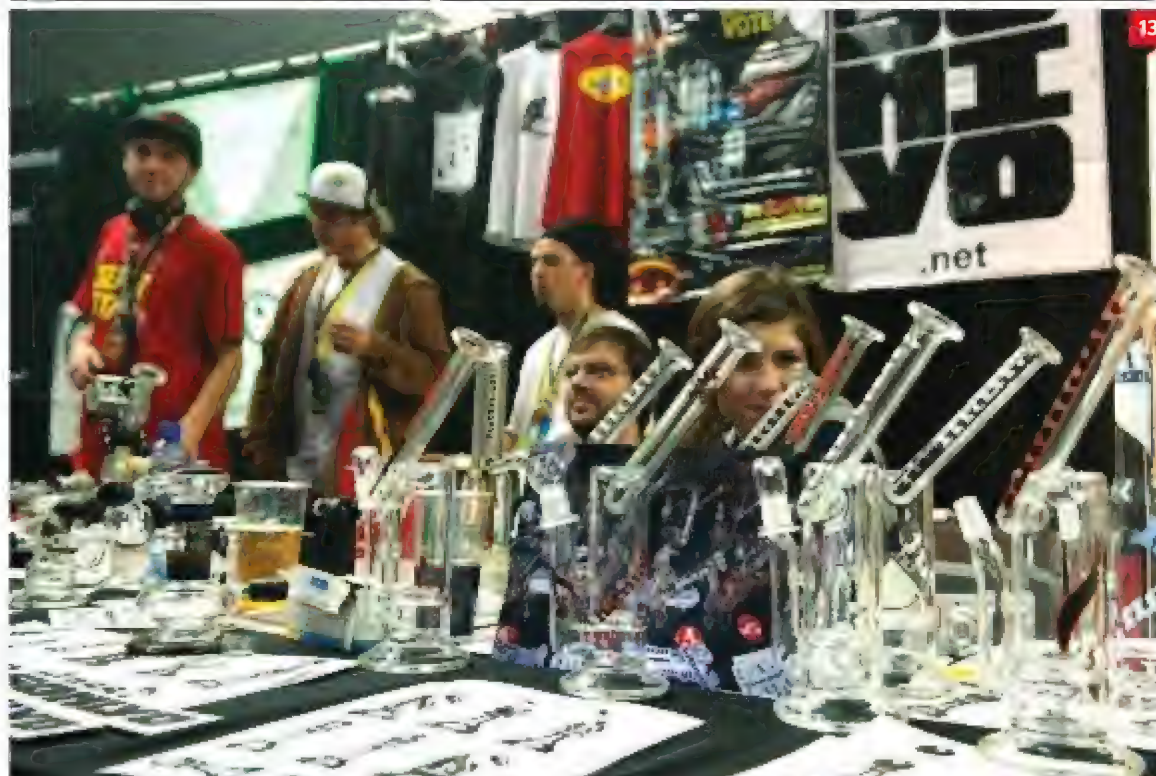
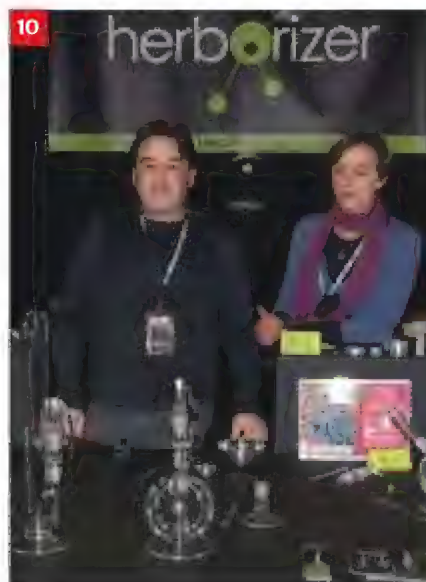


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**10.** The Ictube Vaporizer from Herborizer won second-place in the best glass category.

**11.** Grasscity.com kept busy and attendees happy at the Cannabis Cup with their fine display of glassware.

**12.** Delta 9 Labs' Ed Borg proudly displays a jar full of tasty Strawberry Skunk.

**13.** Miss High Times hangs with the second-place best glass winners, Hitman Glass.

**14.** Providing incredible insight and knowledge for growers, Advanced Nutrients handled questions from judging about nutritional needs and formulas for great growth and beautiful blooms.

**15.** Ooloo Clothing and Hemp Passion gave us the thumbs-up at the 24<sup>th</sup> High Times Cannabis Cup which will be remembered as one of the biggest and best canna-industry trade shows. 🌿





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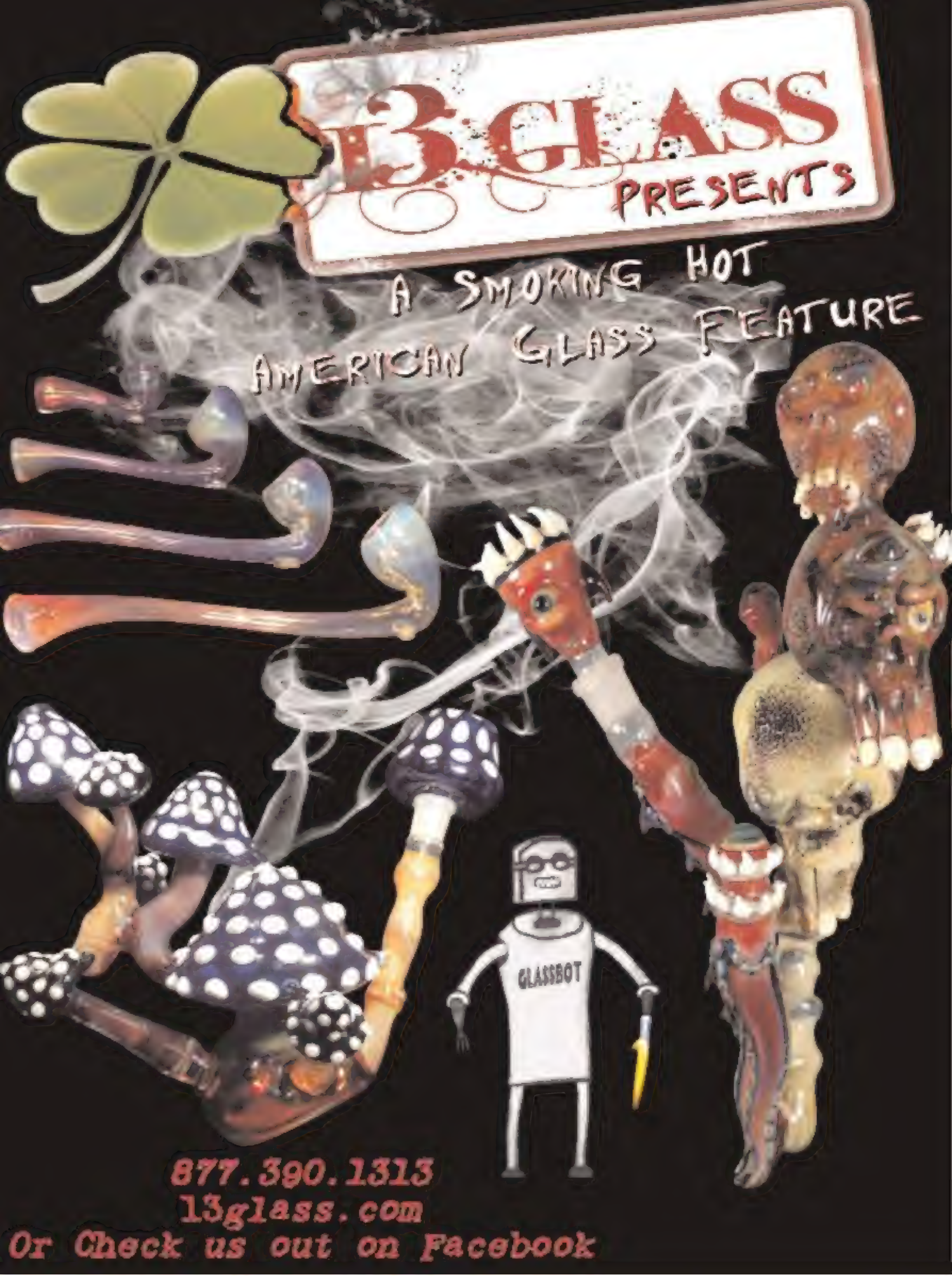
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# High Tunes

Musical performances at the 24<sup>th</sup> Annual HIGH TIMES Cannabis Cup in Amsterdam kept attendees rocking with beats, rhymes and plenty of marijuana-fueled fun.

**1.** DJ Babu of Dilated Peoples on the ones and twos. **2.** B.o.B blessed the ceremony with a stony show. **3.** Supernatural dazzled the crowd with amazing freestyling skills. **4.** B-Real of Cypress Hill performed to a packed house with Psycho Realm. **5.** Rakaa Iriscience from Dilated Peoples passed the mic and the spliffs. **6.** Cypress Junkies DJ hyped the Cup crowd. **7.** Eric Bobo of Cypress Junkies (as well as Cypress Hill and Beastie Boys) banged the drums.







## The restless youth of Oakland shaped the Occupy movement there from the very start.

Berkeley, and more outreach to trade unions and community groups.

I have never heard such lively debates about political and economic issues, not for decades and I have rarely been around teenagers and twenty-something students, hipsters and anarchists who are as savvy about communications and technology as this generation. They're in this for the long haul.

As a professor at Sonoma State University, a college an hour or so north of Oakland, some of my best and brightest students took a number of days off from class to demonstrate in Oakland. They came back inspired and inspiring, and helped to jumpstart protests on my own campus. Indeed, the spirit of Oakland has been infectious, and the students in my classes have learned from firsthand experience what the First Amendment really means, and what it feels like to be part of a movement that decides democratically what to do and what to say next. Several students in my classes have renewed hope about their own generation, which they had largely given up as lost forever to their cell phones and computers. On the whole, they are learning far more from marching and protesting in the streets than they are from lectures in the classroom.

A new day has dawned and Oakland has been reborn. Stay tuned. The youth of Oakland have not had their final say—not by a long shot. 🌱

## OCCUPATION TREPIDATION

Oakland belongs to the young and the restless. *By Jonah Raskin*

**Right now, Oakland** belongs to the young and the restless in large part because rents are lower than in nearby Berkeley and in San Francisco across the Bay. The cops are only reacting. Yes, they're making arrests but they're not calling the tune. The restless youth of Oakland shaped the Occupy movement there from the very start, not aging Boomers or the middle-aged. I felt at home among the protesters because they're angry, they're smart when it comes to matters of money and power, and they're not afraid. For the most part, they don't have much, if anything, to lose—not jobs, pensions or bank accounts.

Oakland Mayor Jean Quan complained that the encampment at Frank Ogawa Plaza was "messy," but Oakland is a big messy city—a city out

of control in many ways and certainly when it comes to crime and its rogue police force. If anything in Oakland was orderly over the past month, it was the encampment, the marches and the general strike that shut down the port. Discipline has been a key watchword and defining theme.

Oakland has rarely, if ever, been more alive or more vital, and while 1960s radicals saw the Occupy movement there as the offspring of the 1960s, it also marks a break from the past. Veterans of the war in Iraq were there from the start, and older folks were also present. I was and so were the veterans of the 1960s I know who drifted in and out of the demonstrations. There was no tangible generation gap at Occupy as there was in the 1960s and 1970s. The

protesters were more focused, too, though anarchist groups aimed to hijack the protests and attack property. Everything moved quickly, changed rapidly, and time seemed to be sped up—even more so than in the most frenetic moments of the 1960s.

Ishmael Reed, one of Oakland's best-known writers, complains that the young white protesters at Occupy upstaged longstanding African American organizers and pushed their causes to the side. That view seems narrow and cramped to me. Oakland is in flux again; everything, or nearly everything, feels like it's up for grabs again. What happens next is anyone's guess. It could be more sit-ins at branches of Bank of America, more encampments on campuses such as the University of California at



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B-Real: Inventor, smoker and rapper.

## B-REAL'S SMOKING TIPS

B-Real of Cypress Hill didn't just perform at the 24th Annual Cannabis Cup: He also came with his own original invention—glass filter tips—that were entered into the best product competition by Roor. A few minutes before taking the stage to perform at the Melkweg, B-Real sat down to discuss his invention and his favorite strains.

*By Steve Hager*

### So what was your inspiration for glass filter tips?

This thing spawned from an idea when I was here a couple years ago, sitting at the Green House, smoking a regular spliff with the traditional cardboard tip at the end. And I thought to myself: "Why hasn't anyone done a glass reusable tip?"

There's a lot of upside to it. They're called the Funky Field Tips—my idea, but Roor made the idea manifest. You can use them in joints, blunts and spliffs...just put them in regular bong solution, warm water, or alcohol and salt, and they wash right off. There's the flat head, which a lot of girls like, and there's the round head, which is good for

### Phunky Feel Tips

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blunts for the East Coast smokers. Traditionalists will stay with paper, but new smokers would enjoy this. It allows you to smoke all your herb—no herb gets into your mouth, no resin on the fingers or lips or whatever. And you can take them anywhere.

### Beer tastes better with glass than plastic. And who wants to drink beer out of a paper cup?

Exactly. It's an idea I've had for a while, and it took a couple years to get it going. Old-school smokers get stuck in their certain ways; they don't like to try new things. But this is definitely something that, if you tried it consistently a couple days a week, you wouldn't want to smoke your joint any other way.

### You've been to Amsterdam a lot?

Oh, yeah—I call this the third home of Cypress Hill because we've been here so many times, man. I think we first came here in '93, '94, somewhere around that time, and we've made our way here so many times since. We didn't tour Europe until our second album came out, and it created a lot of hype around us. Then we made it a point to tour here a lot—they were more excited about hip-hop here than back in the States, and we built a strong foundation of fans in Amsterdam. This was like the home of pot culture, so we felt we had to make a connection here. And we feel more comfortable here than any other place in Europe—even when we don't have shows here, we'll come for our days off and then go back to the grind.

### Do you have a favorite strain?

Back home, the strain we smoke is OG Kush; it's a staple in Southern California. In New York City, there's the Sour Diesel—that's a favorite. But in Amsterdam, I like all the Hazes.

### Seems like the younger generation likes Kush more than Haze.

I will still go for the OG, because it's what I smoke back home. I always like to see somebody's version of it...but I have it so much back home that you also want something different. 🌿

B-Real on the origins of OG Kush: [hightimes.com/breal](http://hightimes.com/breal)



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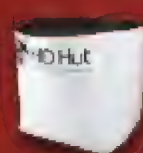


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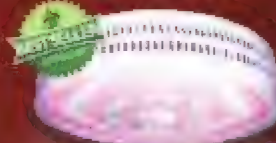
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# SONGS FROM THE RABBIT HOLE

Egypt Central pulls *White Rabbit* out of the hat.



Memphis, TN is typically known for its roots and soul music, but resilient post-grunge rockers Egypt Central are threatening to change that. Mixing metal swagger with a grimy '90s rock roar a tad reminiscent of Candlebox, the band (which these days consists of vocalist John Falls, guitarist Jeff James, bassist Joey Chicago and drummer Blake Allison) have taken a trip through the looking glass with their funky breakout second album, *White Rabbit*, which echoes the Lewis

**"I'm doing the little kid—holding it in, trying not to blow smoke all over the governor and Al Green."**

Carroll story—only the loss of innocence is their own.

Egypt Central were signed by Lava Records and its famed CEO, Jason Flom, back in 2003 after only eight gigs. At the time, they were four wide-eyed 20-year olds who felt like they'd just been promised the moon. Then they watched their dreams—and three years of their lives—disappear down

the rabbit hole, enduring endless delays and run-arounds before finally getting into the studio and recording their self-titled debut album, only to be

dropped in 2005 just prior to its release, when parent company Warner Brothers decided to shut Lava down.

The band forged on, releasing the album themselves in 2007 and immediately beginning work on its follow-up, *White Rabbit*.

Egypt Central remain true road warriors—we caught up with them toward the end of a grueling eight-month-long touring stretch that preceded the album's release by several months—and they like to steady their nerves by the abundant use of blunts.

"We passed through Denver a few times to keep ourselves sane," Chicago says. "I have a couple buddies that grow there, and when last we rolled through, I was lucky enough to get there right when it had dried out perfectly."

Chicago started smoking as a teen, and he still recalls that rite of passage in every young stoner's life, when his parents flushed his pot down the toilet after catching him with it one time. But his favorite smoking memory is getting high backstage with Apl.de.Ap and Taboo from Black Eyed Peas at a televised show in Memphis featuring soul legend Al Green. The three were evidently blowing their smoke within range of the TV booth's intake fans, because someone came out and asked what the hell was going on.

"Right as that happened, the governor of Tennessee is walking by," Chicago laughs. "I'm doing the little kid—holding it in, trying not to blow smoke all over the governor and Al Green—and the Black Eyed Peas are doing the same thing. It was like we were 14-year-old kids sneaking out back behind the schoolyard." *Chris Parker*



## On Going Green:

Chicago missed his senior year of high school in rehab for hard drugs, but met lifelong friends there, and through them met the guys in his band. "I don't do drugs anymore because I smoke so much weed," he says. "I'm just too chilled."





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Syd Barrett visits Pink Floyd in '75, ready to pick up where they left off.

## CAUGHT IN THE CROSSFIRE

Pink Floyd delve into the archives for the latest re-release of their back catalog.

*"Their choice of material was always very much to do with what they were thinking as architecture students."*

—Syd Barrett, on his break with Pink Floyd

**Pink Floyd's** *Wish You Were Here* is like living inside a lava lamp for 45 minutes. Slow and melancholy, the album tackles themes of distance, dissolution and dehumanization at the height of the cock-rock seventies. Roger Waters—not the cheeriest of guys—was dealing with a divorce and the pressures of the sudden superstardom that came with the release of *Dark Side of the Moon*. "Shine On You Crazy Diamond," was ostensibly a tribute to Floyd founder Syd Barrett, whose fragile mental state, exacerbated by his overindul-

gence of LSD, was shattered completely when he was fired from the band.

On June 5, 1975, as Floyd were mixing "Shine on" at Abbey Road studios, the real Syd showed up, overweight with his head and eyebrows shaved, telling them he was ready to play. It was an emotional moment for Floyd, if not

for Syd, who was said to have repeatedly brushed his teeth during the visit. In the end, the album stands, after *Dark Side*, as Floyd's second masterpiece of the seventies.

*Wish You Were Here: Immersion Box Set* is the second boxed set release of the Why Pink Floyd? project that will see the band's back catalog repackaged in deluxe editions. While the bonus tracks are welcome, the *Immersion* edition piles on multiple mixes, a scarf and a set of marbles. I say buy the 2-CD *Experience* edition and spend the savings on a lava lamp. *Chris Simunek*



**PINK FLOYD**  
*Wish You Were Here: Immersion Box Set*  
(EMI)

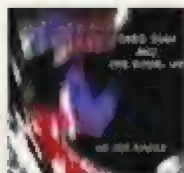
## MUSIC RECOMMENDATIONS



**Polar Bear Club**  
*Clash, Battle, Guilt, Pride*  
(Bridge 9)

➤ The third album from outer-state New York post-hardcore heroes PBC boasts the soaring choruses and chugging guitars that marked their previous efforts, but abandons straight-ahead power-rocking in favor of tempo rising moods that come smashing down. Despite the anthemic

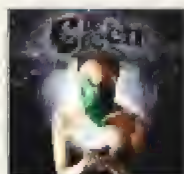
sing-along choruses on many of the songs, there's something about this record that makes me overwhelmingly sad, like *Siamese Dream*-era Smashing Pumpkins, with lyrics and music alike evoking rage, mortality and the knowledge that "the wasteland isn't just for the teenaged." *Polly Watson*



**Greg Ginn and the Royal We**  
*We Are Amused*  
(SST)

➤ Guitarist Greg Ginn practically invented hardcore punk, forming Black Flag and founding the legendary indie label SST back in 1978. Still prolific, Ginn's latest project, the Royal We, reflects his recent embrace of jambands, with *We Are Amused* offering nine instrumental pieces of

hybrid electronica. "Baiting" bites with Ginn's atonal acid licks. "Eavesdrop" evokes an Eastern vibe, as does "Laundering Reality." The jazz-infused organ on closer "Boiled Peanuts" unfolds into improv. Check out the free album on Ginn's Facebook, and send a donation to [kittenrescue.org](http://kittenrescue.org). *Mark Miller*



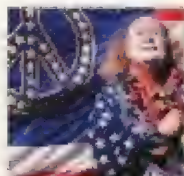
**The Green**  
*Ways & Means*  
(Easy Star)

➤ The Green are still riding the wave of recognition that came with the success of their self-titled debut and iTunes' number-one reggae album. The band's relaxed Hawaiian vibe is matched only by the boundless energy they put into creating their own distinct brand of reggae music.

The Green's four frontmen evenly distribute the lead vocals amongst themselves, often harmonizing together like a well-balanced Rasta barbershop quartet. *Ways & Means* amply delivers more of that patented sound and should pave the way for the band's continued success.

*Mary Ought Six*

## FILM RECOMMENDATIONS



**Saint Misbehavior: The Wavy Gravy Movie**  
Directed by Michelle Esrick  
(Docurama Films)

➤ Hugh Romney is the stoner saint, proving once again that a big heart and a cannabinoid-enhanced imagination can change the world. He began his career as a Beat comedian, becoming the emcee of choice at various major rock fests (including Woodstock). B.B. King mysteriously dubbed

him Wavy Gravy, which remained his moniker as he co-founded the Seva Foundation and raised cash for over two million sight-saving surgeries around the world. "Laughter is the valve on the pressure cooker," Wavy observes, sagely enough, in this moving documentary.

*Michael Simmons*

## BOOK RECOMMENDATIONS



**How Marijuana Cures Cancer**  
Joan Bello, MS  
(Lifeservices Press Inc.)

➤ Though marijuana's usefulness as a treatment for cancer has yet to be acknowledged by the Feds, it has made its way into the mainstream media. Joan Bello's latest title, *How Marijuana Cures Cancer*, is no less shocking in its certainty. Bello opens the book with the theory that

yogic breathing—along with marijuana—can be the ultimate cure for most ailments, using a holistic approach. She keeps up this theme throughout and ties together the 2,000-plus medical cannabis studies that have been conducted worldwide on subjects ranging from mice to men. *Mary Ought Six*



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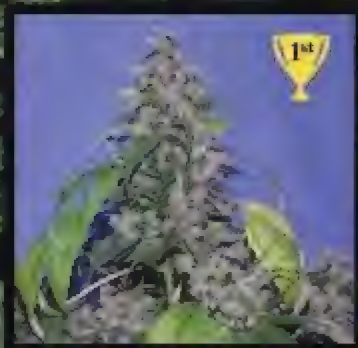
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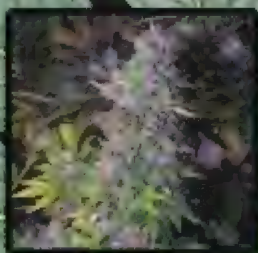
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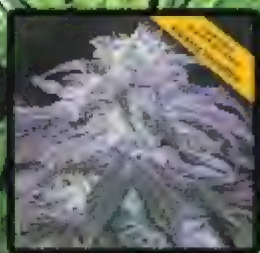
Burmese



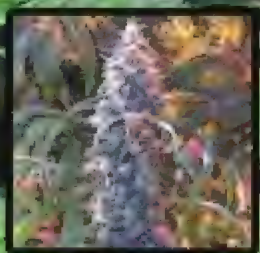
Blackberry



Gold



Fucking Incredible



Mother



British Columbian



Kat

10 Seeds	VISC	Per Pack
<b>Vancouver Island Seed Company</b>		
420 .....	\$60	
1.3G .....	\$80	
B-Bud .....	\$75	
Beaster .....	\$100	
Bitch .....	\$65	
Black Velvet .....	\$75	
Blackberry .....	\$85	
BlackBurmese .....	\$90	
British Columbian .....	\$75	
Bud Lite .....	\$62	
Burmese .....	\$85	
Burmaberry .....	\$85	
Bush Bud .....	\$62	
Canadian .....	\$80	

FUCKING INCREDIBLE - High Times Top 10 Strains 2008

Che .....	\$75
Copperhead .....	\$75
Dubble Bubble .....	\$75
Eve .....	\$75
Fucking Incredible ...	\$140
Gold .....	\$75
GSPOT .....	\$105
Indigo .....	\$80
Jinn .....	\$85
Kat .....	\$85
KGB .....	\$62
Midnight .....	\$75
Mystic .....	\$85
Nuclear .....	\$85
Olympic .....	\$62
Passionfruit .....	\$85
Ripper .....	\$85
Rx .....	\$75
Sin .....	\$75

The Legend of the BURNTEST See High Times January 2009

Sweet .....	\$75
The Producer .....	\$100
THC .....	\$75
Titanium .....	\$75
Vertigo .....	\$75
Virgin .....	\$62
WMD .....	\$70
WOWWeed .....	\$100
VISC Mix .....	\$50

10 Seeds	LIBERTY	Per Pack
<b>Liberty Seeds</b>		
Mother .....	\$70	
Stealth .....	\$75	
Lady Liberty .....	\$85	
Infinity .....	\$65	
Justice .....	\$70	

GSPOT High Times Top 10 Strains of 2009

Read about VISC's Induction into The Seed Bank HALL OF FAME in the August 2009 issue of High Times

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This Hollywood A-list is 1,000 percent in favor of marijuana legalization.



## BORN TO RUDD

Paul Rudd explains how he's prepared himself to play so many stoners on the silver screen, including a new herb-fueled role opposite Jennifer Aniston in *Wanderlust*. By David Bienenstock

Since his breakout performance as young, idealistic pre-law student Josh Lucas in 1995's *Clueless*, Paul Rudd has played a super-stony surf instructor (*Forgetting Sarah Marshall*), a cigar-chomping drug kingpin (*Reno 911*), a ganja-toking sidekick (multiple films), a naïve pot prisoner (*Our Idiot Brother*), a washed-up rock star (*Veronica Mars*), an uptight businessman (*Dinner for Schmucks*), Phoebe's husband (*Friends*) and the coolest kid at summer camp (*Wet Hot American Summer*)—all with an affable “low-frequency” charm that's won him fans among the bros and their better halves.

Perhaps most memorable to HIGH TIMES readers have been his multiple collaborations with the “Frat Pack,” a loose-knit group of writers and performers best known

for their work on Judd Apatow films like *Knocked Up* and *The 40-Year-Old Virgin*—both of which featured Rudd to great acclaim. And now he can be found starring opposite Jennifer Aniston in *Wanderlust*, a new film about a close-knit cannabis couple who decide to ditch their conventional lifestyle in favor of a move toward the counterculture.

We caught up with Rudd during some rare downtime to discuss his own favorite stoner movies, the occasional need to stay clearheaded, and the hardest (maybe) he ever laughed while getting stoned.

**In last year's *Our Idiot Brother*, you played Ned, a wonderfully likable guy who goes to jail for selling pot to a cop and then keeps smoking weed even after he gets out. Was**

**there an element of Method acting involved in portraying such an obvious cannabis enthusiast?**

Honestly, one of the things we didn't want to focus on in that film was the whole weed angle of it, because that's not really what the story is about. We didn't want to turn Ned into a caricature—but at the same time, you're supposed to say, “Yeah, that guy *totally* smokes pot.”

Now, if you're asking *me* if I did any Method acting, I will say that in several different incarnations, I've tried to prepare for this role for many years. That's the answer you're looking for, I believe [laughs].

**As long as you're prepared. Meanwhile, what can you say about a society that takes a guy like Ned and locks him up behind bars?**

**“If you're asking me if I did any Method acting, I will say that in several different incarnations, I've tried to prepare for this role for many years.”**

My own personal view on that is that it's totally ridiculous.

**So we can put you down for legalizing marijuana?**

One thousand percent!

**As a New Yorker, have you been following the recent progress in passing a medical marijuana law in the state? Gov. Andrew Cuomo was previously opposed, but now says he's reconsidering that position.**

If that bill were to be presented on a ballot so the citizens of New York could vote for it, all I can say is that I hope my glaucoma allows me to see the part of the punch card that says ‘Yes.’

**So do you have any favorite stoner comedies?**

It's weird—they fall into different categories. You take something like *The Big Lebowski*, and it's just incredible...I also remember as a kid, when we first got HBO and Cheech & Chong's *Up in Smoke* came on—I was psyched because I got to watch an R-rated movie. My dad was a history fanatic, to the point where the only things that had ever been on TV in my house were either a documentary about the Holocaust or some nature show; it was *always* these documentaries, usually in black-and-white. And then I remember vividly watching *Up in Smoke*, and my father was just cracking up—and I just thought that was hilarious. I'm pretty sure that's the first time I saw



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any kind of stoner comedy...

But my favorite stoner comedies aren't even what you'd call "stoner comedies." They're usually just some horrible comedies, terrible movies—or, better yet, YouTube clips.

**You'll have to send me some links. In the meantime, you've been in a lot of movies that have portrayed marijuana use...**

Well, that's bound to happen when you work with Seth Rogen.

**That gets to my question: Among that whole crew of people who work together regularly—which you're certainly a part of—is there a kind of stoner mentality that you think makes those film work?**

Well, I know with Seth, who I've worked with several times, he's very vocal about the fact that he smokes pot—and there's an ease, kind of a mel-low vibration, that gets kicked out. I think that's apparent in a lot of the characters that are in those films, and it makes for good reference points and jokes and stuff like that. Plus, if you've got a bunch of guys living together in a house and you see them casually passing a bong around, a lot of the people who are watching the movie will think: "Yeah, that's not so unlike me and my friends."

Plus we're all kind of pudgy, so it looks like we've been snacking. The craft service [catered food] table on these films is always crowded.

**As a writer or actor, have you ever used marijuana as part of your own creative process?**

Mine? Actually, no—if I'm working or writing, I need to stay clearheaded. I just don't have that kind of capability.

**You have a new film coming out, called *Wanderlust*, that sounds like it also might be of interest to our readers. How was that experience?**

It was great. *Wanderlust*

is about this couple that get priced out of New York City and have to look for a new place to live. They stop at a bed and breakfast that's run by a commune and have an amazing night. Eventually, they decide to change the way they live their lives because they were so affected by these insane, amazing people. So it's about this couple deciding to just move into the commune, and all the craziness—good and bad—that comes about because of that decision.

*Wanderlust* was directed by David Wain, and I think part of the idea for the film goes back to how he and I always talked about how great it would be if we could do another movie where everyone was hanging out together

**"My favorite stoner comedies aren't even what you'd call 'stoner comedies.' They're usually just some horrible comedies, terrible movies—or, better yet, YouTube clips."**

in nature, to try to recapture some of the feeling we had when we were filming *Wet Hot American Summer*. That was certainly part of the impetus for this new movie—along with the fact that the subject matter is just a great story waiting to happen.

**Last question: Do you have a favorite strain or variety of marijuana, or do you remember the best joint you ever smoked?**

God...umm...I don't really know...

**Okay, how about the best laugh you ever had?**

I can't say for sure—but I know that a really good one involved watching *South Park* in German with Seth Rogen. 🌿



Seth Rogen and Paul Rudd played couch-locked best buds in *The 40 Year Old Virgin*.

#### HIGH-CONCEPT ROLES

Paul Rudd has never shied away from stoner comedies. Here are just a few of his most herb-friendly roles.

##### ***Forgetting Sarah Marshall* (2008)**

Rudd, as the ganja-loving surf instructor Kunu, steals a scene from co-star Jason Segel (as Peter).

Kunu: *It looks like you got a little pain behind those eyes.*

Peter: *Yeah, maybe a little.*

Kunu: *There's really only one cure for that.*

Peter: *Yeah, what's that?*

Kunu: *Weed. You got any?*

Peter: *No.*

Kunu: *Oh. Well, then let's go surfin'!*

##### ***Knocked Up* (2007)**

When you share the big screen with Seth Rogen, it's not unusual to end up in a hit movie about parenthood that also features a full-immersion face-mask bong.

##### ***Walk Hard: The Dewey Cox Story* (2007)**

In an uncredited cameo, Rudd plays John Lennon in a scene that features the Fab Four tripping on acid in India.

##### ***Diggers* (2006)**

Set in 1976, this film follows Rudd and his best buds trying to make a living as clam diggers, including selling a little "sea weed" on the side...

##### ***The 40-Year-Old Virgin* (2005)**

The first rule of Method acting in a Judd Apatow movie: Any scene in which your character plays video games with Seth Rogen and makes wisecracks about Coldplay should be performed as though you just got baked!

##### ***200 Cigarettes* (1999)**

Rudd spends New Year's Eve desperately trying to win the affection of Courtney Love, while Dave Chappelle drives a disco-equipped taxicab around New York City amid a fragrant cloud of dank smoke. Want to bet on who ends up having a better night?

Paul Rudd gets the giggles:  
hightimes.com/paulrudd



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#### **One Toke Over The Line?**

Watch this YouTube clip. You may come to the conclusion that Paul Rudd and Jason Segel have toked up prior to doing press for their movie *I Love You, Man*. The giggle-fest starts at the 1:37 mark.





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## INTRODUCING THE MARIJUANA MENTOR

**HIGH TIMES** has a long and unwavering commitment to teaching people how to grow great pot. Each month the magazine is packed with grow tips from expert cultivators. Additionally, HIGH TIMES cultivation editors have produced indispensable grow books and DVDs—and, if that's not enough, you can also get HT grow info on the internet (*hightimes.com*), on iTunes (*Free Weed From Danny Danko*), and in person (Danny and Nico do seminars across the country)!

We're proud to be *the* source for cannabis cultivation information. Yet, we realize that not every stoner will turn grower. Whether it's your living situation, level of motivation or aptitude, producing pounds of pot is not for everyone. But HIGH TIMES is.

For years readers have had opportunities to get their grow questions answered in the magazine's Q&A forum *Dear Danko* (and previously, *Jorge's Rx*). But what if you have a cannabis-related question that doesn't involve spider mites or a soilless mix? We've got you covered. Introducing: The Marijuana Mentor.

If you've ever wondered about the origin of OG Kush, or wanted to know how to buy weed in a strange city, or were curious about how the metric system has been ripping off stoners for years, The Marijuana Mentor is here for you.

Send your questions to [Mentor@hightimes.com](mailto:Mentor@hightimes.com) and keep an eye out for the new monthly Web column on *hightimes.com*.

### ► Activist Campus of the Month

As hosts of the recent Students for Sensible Drug Policy Mid-Atlantic Conference in Woodbridge, VA, Northern Virginia Community College's SSDP activists helped to create an unforgettable event featuring two days of speakers, workshops and team-building exercises. The conference brought together more than 50 dedicated, like-minded reformers from all over the East Coast to network, share strategies and discuss the campaign for marijuana decriminalization. There's truly nothing like a drug-policy reform conference to get you trained, motivated and inspired to fight for more sensible marijuana policies.

MISSHIGHTIMES.COM



Miss April  
2012

NAME: **Chrystal**  
PROFILE: **Chrystal Chronic**  
AGE: **22**  
CITY: **San Diego, CA**  
OCCUPATION:  
**Medical Secretary**  
To enter or rate contestants  
go to [misshightimes.com](http://misshightimes.com).  
You must be 18 years or  
older to enter.



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08:20 am

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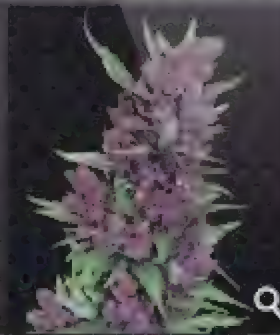
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## MUNCHIES

## MARY JANE MIX

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that gets you  
baked.

When a *High Times* crony passed me a bag of Mary Jane Mix, advertised as an easy, two-step “herbal infusion” brownie mix, I was jazzed to try out a brand new twist on the classic pot brownie.

Naturally, you have to provide your own herbs for the infusing. Suggested herbs from the site ([maryjanemix.com](http://maryjanemix.com)) include mint, lavender and calendula, but given that the name is *Mary Jane Mix*, we decided to go the marijuana route instead.

My friend and fellow weed activist, aptly named Crystal Cookie, happened to have some pre-infused cannabis oil on hand—plus she’s a tried-and-true canna-food baker who was as intrigued as I was by the claims being made by this new niche brand.

According to the website, Mary Jane Mix is “specifically developed for extra oil absorption.” Owner/creator Tara Misu explains it like this: “When you bake herbal brownies, the oven hits 350° and at that temperature a certain amount of your herbs will vaporize and bake off. Mary Jane Mix contains a mix of powdered oils that function to fully capture all active ingredients in the herbal oil. The powdered oils bind with

your herbal oil and instead of baking off are reabsorbed back into the mix, resulting in a stronger herbal brownie.”

So we gave it a whirl, though with some skepticism: Neither of us had ever heard of dehydrated oils binding to herbal oils, and I still haven’t been able to find any science behind it. But the brownies are easy to make, don’t require eggs, and their texture turned out lovely and even, with a flavor that was sup-herb. One brownie—more like a brownie bite as far as the suggested servings go—did the trick nicely, but a second brownie is what turned the night on high. I can’t say if the small dose’s potency was due to Tara’s years of research, but I can say that Mary Jane Mix delivers a mighty fine brownie.

One cautionary note: We had pre-infused oil, but if you decide to follow the how-to video on the Mary Jane Mix site, I’d suggest cooking the oil in a double-boiler instead. (Shallow pans toast and waste the herb far too easily.) To get going, all you’ll need is one package of Mary Jane Mix, ½ ounce of finely ground marijuana, ½ cup of water and 1 cup of vegetable oil. *Stones 16.*

—Mary Ought Six

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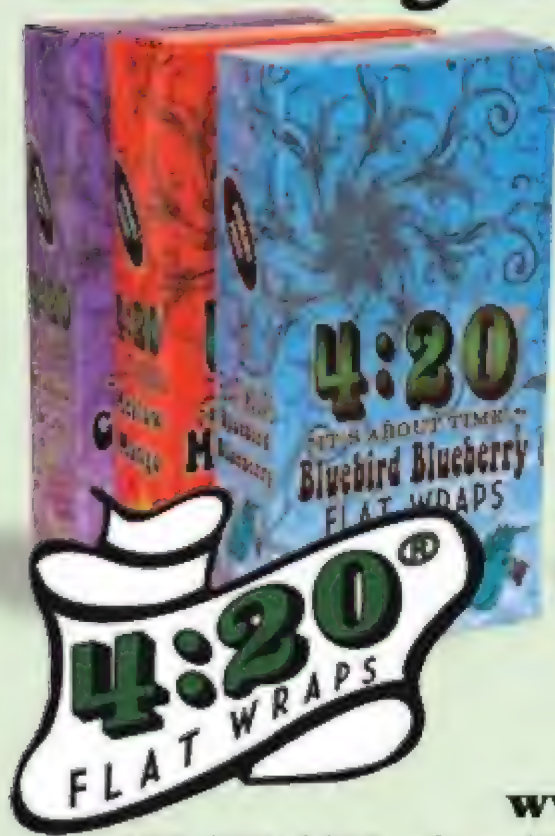




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## HOT PRODUCTS

What's new for cannabis cultivators and connoisseurs.

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### 2 Growroom Glasses

Price: \$200  
methodseven.com

Every indoor grower we know will want a pair of these revolutionary new sunglasses from **Method Seven**, specifically designed and formulated for growroom use. The shades actually color-balance harsh high-pressure sodium (HPS) light into tones that seem like regular-looking daylight, making it much easier to spot yellowing leaves and signs of pests. They're comfortable, stylish and provide a more realistic view of what's going on in the growroom without taking a toll your eyes.

### 3 Perfect Vapors

Price: \$399 (after \$50 rebate)  
vaporperfection.com

Buying a vaporizer requires making some serious decisions when it comes to the delivery of your vapor system, particularly the choice between a bag or a wand. But Vaporperfection's new **viVape** (Cannabis Cup's 2<sup>nd</sup> place winner for best product) puts both options at your disposal. This ultra-quiet unit boasts a sleek design with a digital touchscreen that makes setting the temp a breeze, and the glass-on-glass heating technology ensures that each hit achieves its optimal level of volatilization.

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## TOP 5 STRAINS

1

KUSH  
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2

DIESEL  
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3

PURPS  
\$363

4

CHEESE  
\$364

5

HAZE  
\$375

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## MARKET ANALYSIS

Prices by the ounce

Kush has been the market's most submitted strain for 14 of the last 16 months. Diesel and Purps both had good showings in April, finishing second and third, respectively. Cheese made its first Top 5 appearance of 2012 (it last placed in November 2011).

## US Price Index

YTD Average: \$327



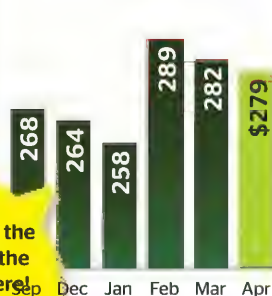
## Kind Index

YTD Average: \$413



## Mids Index

YTD Average: \$277



## Schwag Index

YTD Average: \$103



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"We find some of the sweetest bud in the middle of nowhere! These buds are so sticky, they'll bring tears to your eyes."  
Conover, NC

## TRANS HIGH MARKET QUOTATIONS

STATE	CITY	STRAIN	PRICE
Arizona	Phoenix	Sour Diesel	\$475
		Blue Dream	280
California	Oakland	Purps	250
	San Diego	Kush	275
Colorado	Colorado Springs Durango Denver	Great White Shark	180
		OG Platinum	270
		Golden Goat	270
		Dr. Grinspoon	325
Florida	Orlando	Hydro	490
Hawaii	Honolulu	Northern Lights	420
Louisiana	New Orleans	UK Cheese	450
Maine	Lewiston	Blue Dream	330
Maryland	Salisbury	Headband	330
Michigan	Flint Holland  Traverse City	Violator Kush	240
		White Rhino	250
		Sensi Star	250
		Granddaddy Urkel "G Cut"	450
Mississippi	Biloxi	White Rhino	480
		Diesel	480
Montana	Missoula	Big Sky	250
Nevada	Las Vegas	Sour Kush	550
New Jersey	Brick	Sour Diesel	500
New York	New York	Strawberry Cough	450
		Chem Dog	500
North Carolina	Asheville Conover  Greensboro	Lavender	325
		Super Lemon Haze	300
		Jack Herer	300
		Cali Hash Plant	300
		Whiteberry	375
North Dakota	Bismarck	Kush	350
Ohio	Dayton  Huber Heights	Blue Cheese	500
		Strawberry Cough	350
		Mango Kush	360
		White Russian	300
		Purps	420
Oregon	Portland	AK-47	240
		Island Sweet Skunk	260
Pennsylvania	Philadelphia Pittsburgh	Super Silver Haze	375
		Silver Haze	450
Tennessee	Nashville	Hydro	650
Texas	Austin Houston	Haze	350
		Granddaddy Purps	380
Virginia	Norfolk	Sweet Tooth	325
Washington	Seattle	Jack Herer	300
INTERNATIONAL			
Australia	Perth	Various	AU\$325
Ireland	Dublin	Amnesia Haze	€400
		Cheese	€400

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(Various)  
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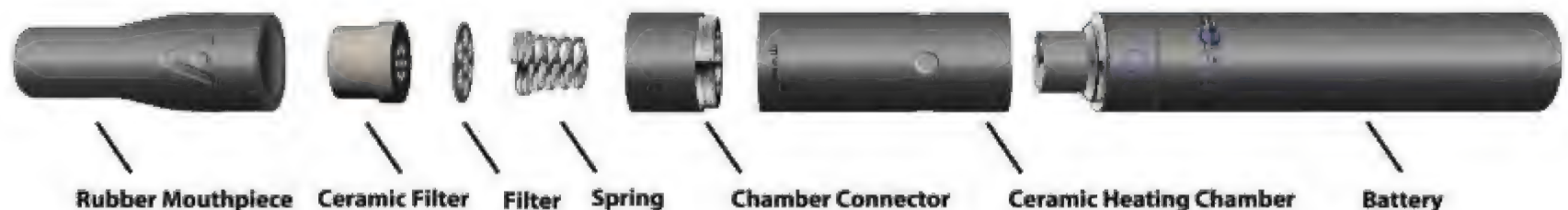
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# BURNING DOWN BORCHLAND

*The shit hits the windmill at the 24<sup>th</sup> Cannabis Cup.*

By Bobby Black





F

OR NEARLY a quarter of a century, marijuana enthusiasts from across the world have converged on the city of Amsterdam for a single week in November to attend the largest, oldest, most successful event of its kind: the HIGH TIMES Cannabis Cup. Founded in 1987, the Cup has since become an institution—the one that set the standard for every other pot convention and competition to follow. So when I was tapped to pen the official Cup feature for the first

time in my 17-year career here, I didn't take the assignment lightly. Of course, not everyone at the office ascribed it quite the same gravitas.

"The *Cup story*?" snarked my colleague Chris Simunek. "I can write it without even going; it's the same old thing every year."

That comment echoed in my mind as I stood at the HIGH TIMES booth watching nearly 200 Dutch police officers clearing out our Expo. "No, Chris," I thought to myself, "this is a Cannabis Cup like none before."





Amsterdam's Politie  
evacuate the Expo.

**The Cannabis Cup is  
an institution—the one  
that set the standard  
for every other  
pot convention and  
competition to follow.**





**Right from the start**, this year's Cup brought with it two big changes: first, the location—with the closing of the PowerZone last year, we needed a new venue for the Expo. We ended up booking the Borchland, a huge sporting complex about 15 minutes outside the city that offered facilities far superior to our old digs.

The second big change was the new registration system. Thanks to Eventbrite, we could now just scan the judges' tickets with our iPhones. In the past, opening day at the Expo has always been hectic, but on this particular Sunday—thanks to the larger space and the streamlined check-in—the Cup was off to its smoothest start yet.

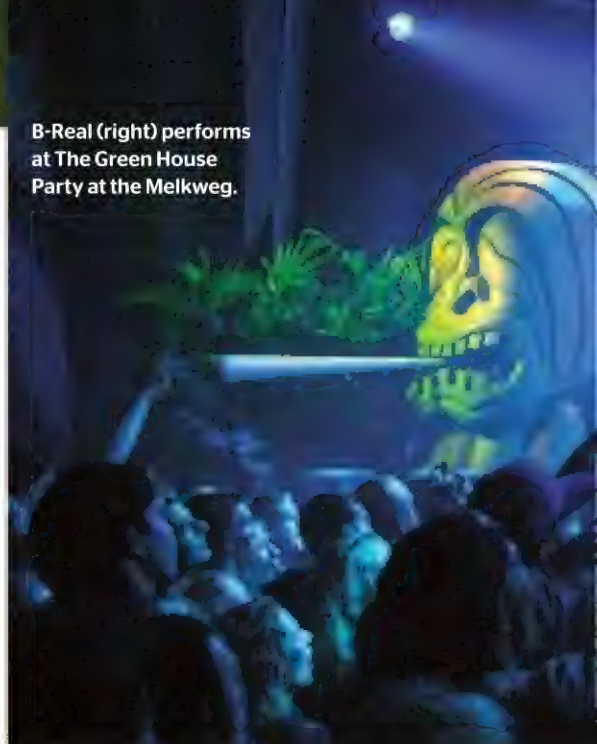
"Sure, things are great now..." West Coast editor Dave Bienenstock said sarcastically. "But by day four, it's a dystopian nightmare." Sadly, that jest proved oddly prophetic.

At 4:20 p.m., Cannabis Cup founder Steve Hager took the stage for the opening ceremonies and spoke about this year's Counterculture Hall of Fame inductee, the late Johnny "Farmer" Griggs from the Brotherhood of Eternal Love. Often referred to as the "Hippie Mafia," the Brotherhood was a groovy cabal of psychedelic-smuggling surfers who helped turn America on in the late '60s (see p. 108). A few hours later, the Cali Connection took over the stage for their "Homegrown" opening party starring the hot new rapper B.o.B, who busted out a dope set that set the whole joint jumping.

We awoke on Monday in a marshmallow fog...not from pot smoke, but from the Netherlands' notorious climate. The seminars kicked off at 1:30 p.m. with a



Cup founder Steve Hager conducts the 4:20 ceremony.



B-Real (right) performs at The Green House Party at the Melkweg.



Mila demonstrates her Pollinator bags.

lighting presentation by Gavita Holland's Theo Tekstra. Then, at 3 p.m., Holland's hash queen Mila took the stage to demonstrate her world-famous Pollinator kief-collecting machine. Mila was also celebrating the release of her acclaimed new biopic, *Mila's Journey*. Directed by her sister and incorporating footage filmed by her late ex-husband, the film chronicles Mila's return to the Himalayas after his death in an attempt to recreate the life-changing trek they took together in their youth (where she also learned to make hash).

HT cultivation editor Nico Escondido's ever-popular grow seminar rounded out the day's events, but having seen it many times before, I opted instead to meet my wife April by Central Station for CS Travel's 420 Canal Cruise. The two-hour boat tour featured free



The Hortilab girls sport their new Cup tees.



Farmer Griggs' son Johnny represents The Brotherhood.





B.o.B blazes up.



drinks and smoking out on the rear deck. As the fog dissipated and the sunset sparkled across the Amstel, I took a swig of my...well, Amstel...and reflected that my "Sweet 16" Cup (as I'd been calling it) was really living up to its name.

As the person in charge of voting this year, I spent all of Tuesday morning getting the ballots printed. By the time I got to Borchland, the crew had the voting room next to the stage ready to roll. Instead of typical seminars, some of the presenters chose to use their time on stage more creatively. Green House Seeds showed footage from their latest *Strain Hunters* video and gave attendees vapor hits from a giant hot-air balloon. During Soma's seminar, he mixed up a batch of herbal drinks and handed them out to the crowd. And DNA Genetics planned to host a "Dabathon"—an epic hash-hitting contest where, according to the poster, the "winner will be the last person standing...literally!" The competition was eventually cancelled, though, when the word came that a couple of police officers were in the building nosing around.

By the time we got to the Melkweg for the Green House party that night, the place was jammed. Nobody wanted to miss the legendary B-Real, and with good reason: His performance—a mixture of solo material and stony classics from Cypress Hill—was the musical highlight of the week.

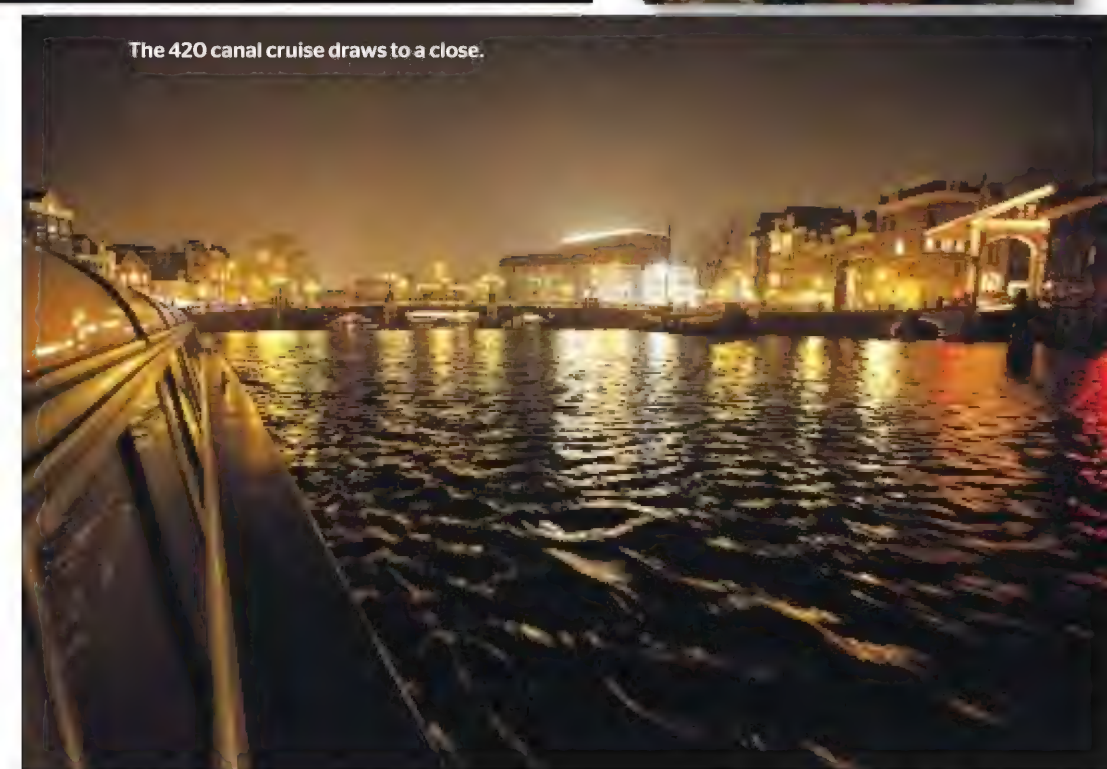
Spirits were high at the Expo the next day: The seminars were proceeding on schedule, the ballots were rolling in, and everyone was having a great time. Then, at precisely 4:20—on day four—the shit hit the windmill: As Miss HIGH TIMES and I prepared to take the stage for our interview segment, I heard HT executive editor Dan Skye shouting frantically over the PA: "THE PINEAPPLE IS DELICIOUS!!! THE PINEAPPLE IS COMING DOWN THE CENTER AISLE!!!" Unbeknownst to me, "pineapple" had been designated as the code word for "police on the premises." No sooner did I learn this than two uniformed police officers entered the voting area demanding to know who we worked for and what we

See video from the Cup at:  
[hightimes.com/cup24](http://hightimes.com/cup24)



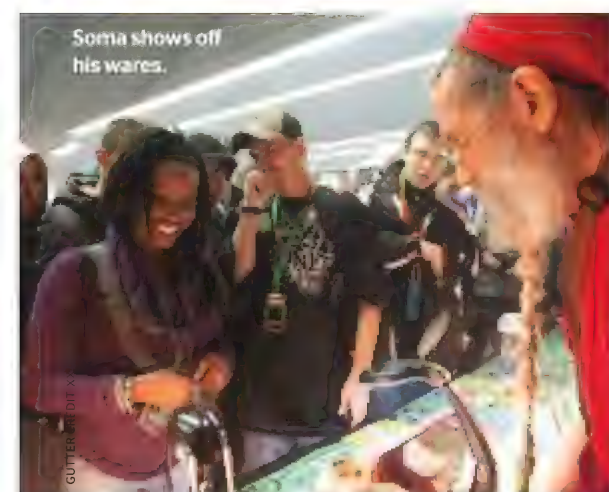
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The 420 canal cruise draws to a close.

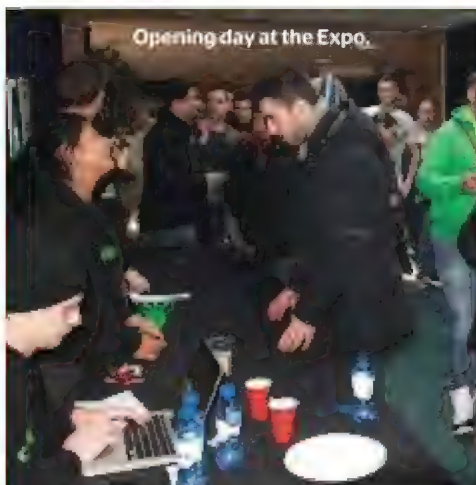


**As the fog dissipated and the sunset sparkled across the Amstel, I took a swig of my...well, Amstel...and reflected that my 'Sweet 16' Cup (as I'd been calling it) was really living up to its name.**

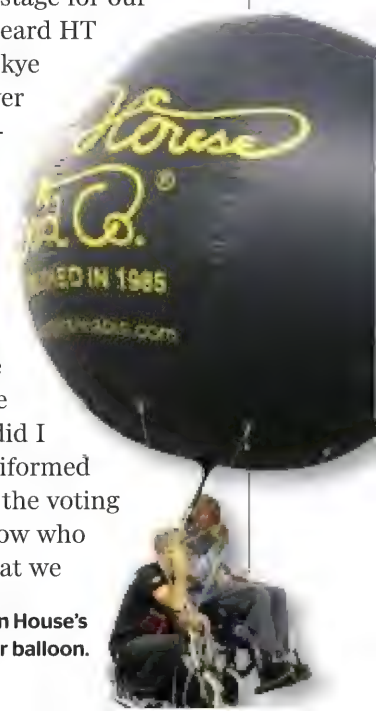
Soma shows off his wares.



Opening day at the Expo.



Green House's  
vapor balloon.





were doing. After explaining the situation, we were ordered to go to the HIGH TIMES booth. I grabbed the ballots and my belongings and headed up front to find out what the hell was going on. As I walked the length of the Expo, I saw policemen stationed at every vendor's booth, with more on their way in.

*Holy shit, I thought—the Cannabis Cup is being raided!*

When I got to our booth, Skye was in a state of frustration and shock at the number of police that had shown up. “Seriously, it was like a clown car,” he told me. “They just kept coming through the door.” He’d just finished a rather tense conversation with who had to be the hottest policewoman in Holland and then surrendered the microphone to her.

“Attention, everyone...you need to leave the building through the exit,” she said. “Upon leaving the property, you will be subjected to a search. Anyone who is working at the fair [meaning the HIGH TIMES staff] will be detained here and must show valid ID to the police.”

Now, we’ve had a few run-ins with the politie over the years: In the old days, they’d stop by the Quentin Hotel once in a while to tell us to keep the noise down. In 2002, Steve Hager was arrested for having too much weed in his hotel room, but no charges were pressed. And I famously spent a torturous 56 minutes in a Dutch jail cell in 2006 for doling

***Holy shit, I thought—the Cannabis Cup is being raided!***



B-Real takes a hit.



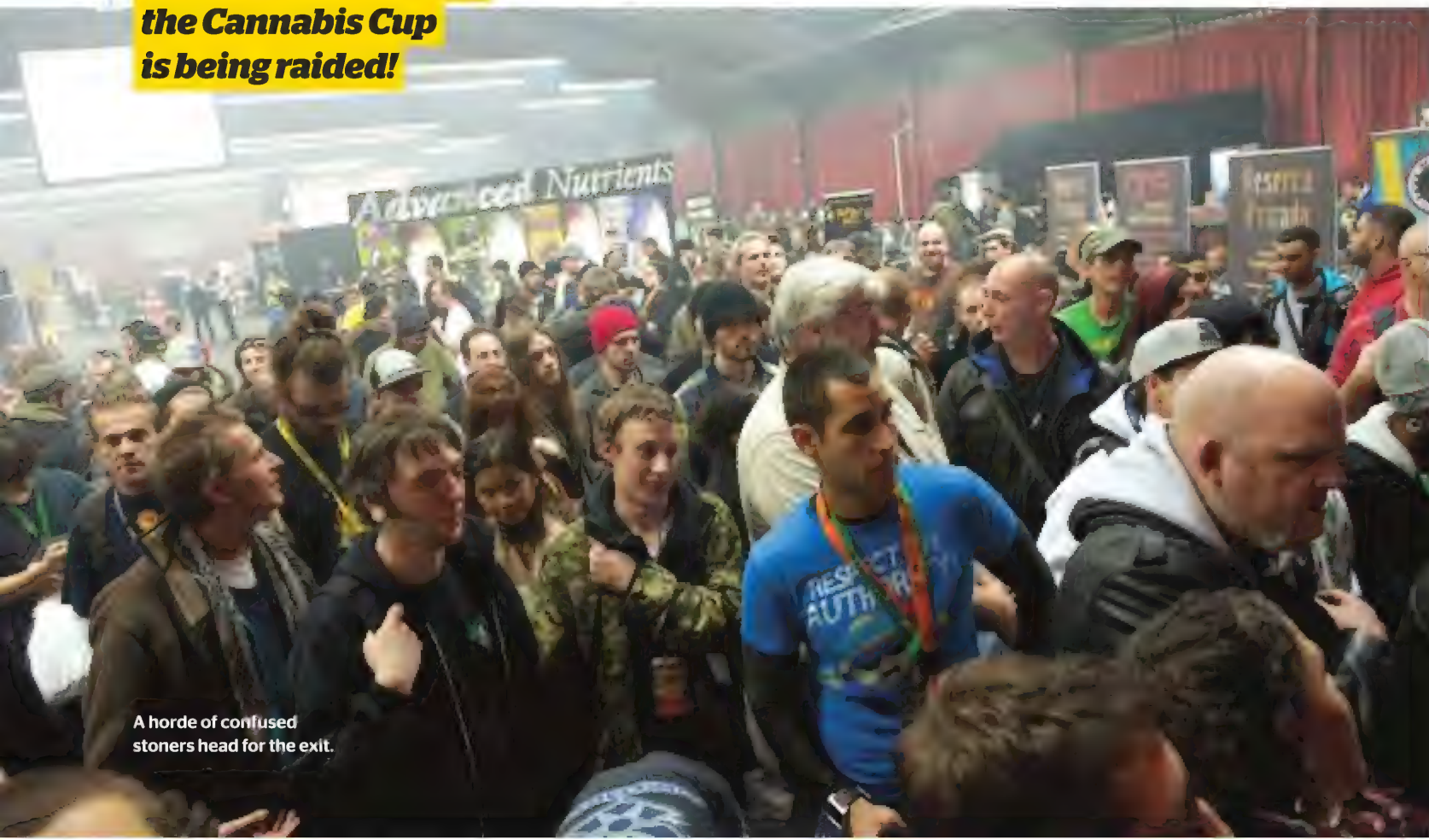
Executive editor Dan Skye negotiates with a rather attractive Dutch officer.



A group of judges fill out their ballots in the voting room.

out nuggets to the judges in line outside registration. But never in 24 years had it come to this. So why now?

According to the Dutch police, the raid was happening because of suspected violations of the Opium Act. Similar to the US Controlled Substances Act, the Dutch Opium Act separates drugs into two lists: List II is for “soft” drugs and includes hashish (defined as a solid compound of cannabis resin and plant material) and cannabis itself, while List I is reserved for so-called “hard” drugs and actually includes “hempseed oil” (defined as any cannabis concentrate obtained by extraction). That’s right—in the Netherlands, bubble hash and BHO are considered hard drugs. Apparently, there’d been undercover officers at the Expo all week, and they hadn’t liked what they’d seen. Because of that, every single person at the Expo was now being searched, and any weed or hash found would be confiscated.



A horde of confused stoners head for the exit.





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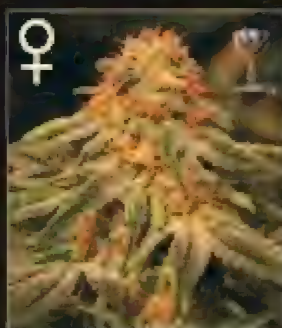
### HIGH TIMES CHAMPION 2011



**Liberty Haze**



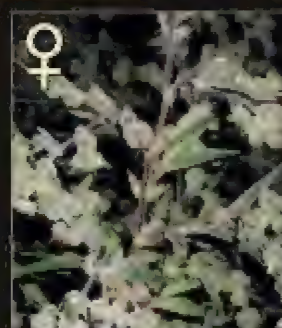
**Tangerine Dream**



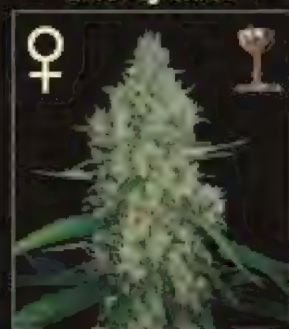
**Vanilla Kush**



**Blue Cheese**



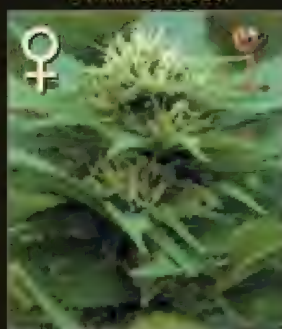
**Dr. Grinspoon**



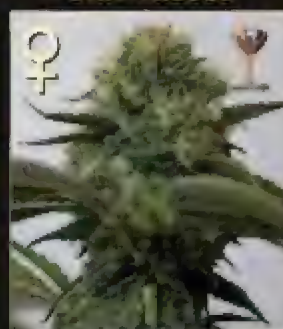
**G13 Haze**



**Pineapple Chunk**



**LSD**



**Top Dawg**



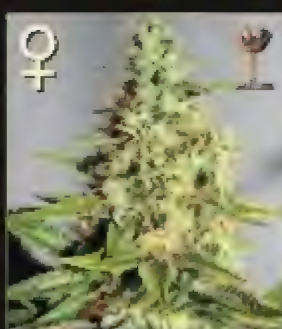
**Amnesia Lemon**



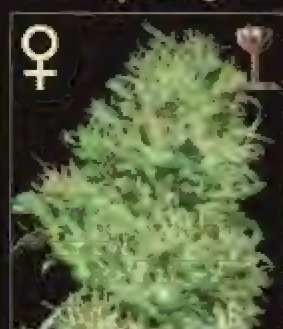
**Sweet Tooth**



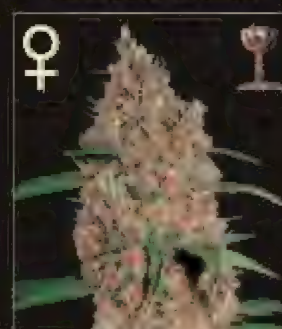
**Crimea Blue**



**Acapulco Gold**



**Utopia Haze**



**Laughing Buddha**



**Morning Glory**



**Night Shade**



**Honey B**



**8 Ball Kush**



**Red Dragon**



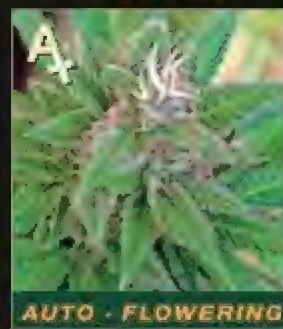
**Red Diesel**



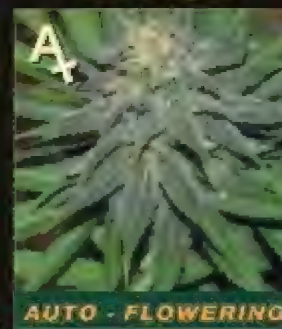
**Phatt Fruity**



**Red Cherry Berry**



**Little Cheese**



**Pineapple Express**

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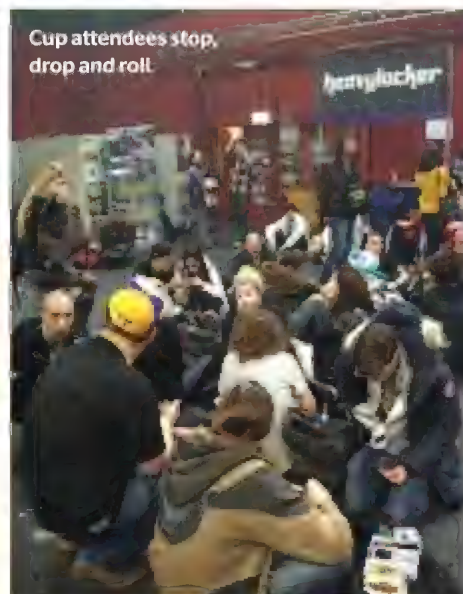




A celebrity judge's kit for seed company hybrids.



A swarm of smartphones surrounds the first sparks of an epic smoking frenzy.



Cup attendees stop, drop and roll.

"Even if it's within the five-gram legal amount, you're going to take it?" cannabis activist Debby Goldsberry asked one of the officers. "Why?"

"In this situation, we are confiscating all of it," he replied. "So you can either smoke it now or we're going to take it."

Whether that cop was attempting to be sarcastic, simply chose his words poorly or grossly underestimated the stoner spirit, I'll never know. What I do know is that if a group of stoners is confronted with the choice of either handing over all of their weed to the cops or smoking it all on the spot, they're gonna fucking smoke it.

**If a group of stoners is confronted with the choice of either handing over all their weed to the cops or smoking it all on the spot, they're gonna fucking smoke it.**

Upon hearing the cop's statement, a judge from New Mexico named James McNew—who'd taken the time and effort to collect every single weed and hash entry from every single coffeshop—turned to the nearest table and dumped out all of his samples.

"Fuck it," he announced. "Then let's smoke it!"

Thus began the most epic smoking frenzy in Cup history. Instantly, every judge within earshot started throwing handfuls of weed onto the table. T.H.Seeds' Adam Dunn arrived with a giant-sized grinder, and within minutes they had a huge cone fired up and more on the way. Soon, hundreds of other judges were following suit. Rather than be led like cattle to the slaughter, everyone just stopped,

dropped and rolled—sitting on the floor and blazing through their entire stash.

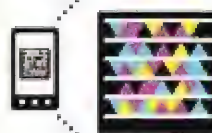
Meanwhile, the HT staff were confined to our booth and not allowed to leave—not even to use the restroom, which nearly caused one of our staffers to have an accident. Knowing that some of our friends' bags had their celebrity-judge kits in them, I knew what I had to do: Taking advantage of the massive distraction, I stealth-

ily got busy de-weeding mine and all my friends' belongings, dumping everything I could find into the nearest garbage can. By the time the evacuation was done and the cops got to us, we were all clean as a whistle. They took down our personal info, asked us a few questions and sent us outside.

A horde of confused and angry vendors waited outside the Borchland, not knowing if their merchandise was being seized or whether they'd be arrested. Every so often, another squadron of cops would pour out and the doors would relock. One such group emerged wheeling out a large green garbage can that I assumed was filled with all of the "evidence" they'd seized. Finally, after about an hour, a police chief finally came out to answer some questions. When I asked him why they'd needed so many officers, he replied simply: "To keep things orderly and in control. It's a very large place." Not because they were worried about violence? "No, no," he chuckled, "nothing like that."

According to the chief, the cops were just conducting a large-scale "audit." As I learned while researching my 2010 feature "Coffeshop Confidential," coffeshops are frequently subject to random

Watch the frenzy at:  
[hightimes.com/cup24](http://hightimes.com/cup24)



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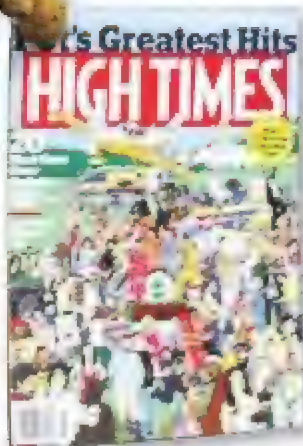
audits, in which the police and tax department enter the premises, lock the doors and proceed to search everyone in the establishment—weighing out all the weed, counting the cash and checking all of the records. If everything is legit, they leave, but if the shop is found to be in violation, the proprietors can face fines or worse. And so today, they'd apparently decided to audit *us*—which meant that any individual with over five grams (or any booth with over 500 grams) could theoretically face arrest. In the end, though, only one person ended up getting busted: Mila, who reportedly had



Police search attendees as they leave.

around 600 grams of trim at her booth for use in her Pollinator demonstration. She was led out laughing, defiant and delighted.

When the last of the police had finally left the building—nearly four hours after the ordeal began—the handful of HT staffers still outside were allowed back inside. To my amazement, all the weed I'd thrown away was right where I'd left it. When I met up with the rest of the HT crew a short time later, I was greeted as a conquering hero as I shared whatever samples I'd



The T.H. Seeds bear says: Make Hemp Not War.

## Pretty Little Dutch Girl

Miss HIGH TIMES 2011 connects with her Dutch roots at the Cup.

Probably the coolest part about being crowned Miss HIGH TIMES is winning a free trip to Amsterdam to serve as a celebrity judge at the Cannabis Cup. But for our Miss HT 2011, Clazina Van Andel, that prize had a deeper personal significance. You see, Clazina is of Dutch ancestry, so her trip to the Netherlands was about much more than just smoking a lot of pot—it was about reconnecting with her roots.

Clazina's is a touching story that truly epitomizes what the Miss HIGH TIMES contest is all about. When she was just five years old, Clazina's mom—an addict and alcoholic—left her and her little brother. Because of this, her dad (who's originally from Holland) didn't drink, smoke or do any drugs, and he also taught his children that drugs ruined lives. Unfortunately, that didn't stop him from putting Clazina on a number of legal antidepressants, which often made her nauseous and caused her to sweat excessively and even have tremors. Then, at the age of 19, she discovered something that helped her far more than those prescription pharmaceuticals ever did—marijuana.

"Cannabis saved my life," she extols. "I've had my medical marijuana card for four years now, and I'll never go back to prescription pills. I'm the happiest I've ever been thanks to cannabis." In fact, she became so passionate about pot's healing powers that she got a job at



Dutch beauty Clazina Van Andel, our Miss HIGH TIMES 2011.



Clazina visits her great grandparents' grave.

a dispensary. Knowing that her dad would be upset with her, she kept her pot smoking and her job secret from him for a long time. Then, when she was 22, Clazina's biological mom—with whom she'd just begun to reconnect—passed away from ovarian cancer. After her mother's death, she decided she needed to come clean with the rest of her family about her love for cannabis. As she predicted, her dad was furious.

"He told me I was ruining my life, and that I was disowned from the family if I didn't go to rehab and get help for my addiction. I told him how ridiculous that was and that cannabis is not a drug—it's a plant, and it saves lives. I knew this decision was going to change the rest of my

life. I didn't talk to my dad for a long time after that...for about nine months."

It was a very difficult time for Clazina. With her mom dead and her father forsaking her, she was, in her words, "angry, sad, confused and hurt." Thankfully, she had someone to help her through it—a surrogate father figure she affectionately called "Pops." Pops owned and operated the dispensary Clazina worked at, and he took her under his wing—sending her to represent the shop at trade shows and teaching her the cannabis business from the inside out. When she brought up the idea of running for Miss HIGH TIMES, Pops encouraged her to go for it. He set her up with a professional photographer, printed up some promotional cards and sent her off canvassing at cannabis conventions. That was how she first came to our attention—when executive editor Dan Skye brought one of her promo cards back from a CHAMPS show in Las Vegas.

Clazina was on duty at the dispensary when we called her on April 20, 2011, to tell her →



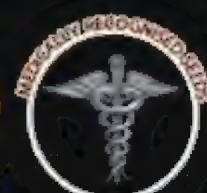
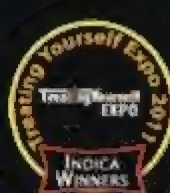


# BIG BUDDHA SEEDS

## 2012



*In the words of the Godfather....  
"Do you spend time with your plants?  
Good.... because a stoner who doesn't spend time  
with his plants cannot be a real stoner...."  
Bon VV*



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**BLUE**  
*Cheese*

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**FREEZE CHEESE 89**

**G-bomb**

**CHIESEL**

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recovered—just in time for the 6th Annual DNA Hotboxx Party that night.

A somber vibe permeated the Expo the next morning. We'd been allowed to reopen, but no one knew what to expect. In light of this, a few vendors had decided to call it quits, including Hitman Glass, Incredibowl, Manchester Seeds, Devil's Harvest and NorCal Genetics, who were actually packing it in as I arrived.

"What if they do the same thing again today?" said Al of NorCal Genetics as he broke down their booth. "I'm not going to go through that again. We love weed, but we hate cops more. We're heading over to the Cannafest convention in Prague."

Despite this handful of absences, the Expo did go on. During his "Home-grown" seminar, Swerve from the Cali Connection started handing out joints

2011  
**HIGH TIMES**

that she'd won. She was so excited that she burst into tears, and all the customers in the shop responded with cheers and applause. Obviously, her father wasn't nearly as pleased about the news, but over time she's helped him realize that far from ruining her life, marijuana has actually improved it. When he learned that the title carried with it a free trip to Holland, he started to come around.

When the Cannabis Cup was over, Clazina met up with her dad's old friend Jaap, who led her on a journey of self-discovery. First, he took her to Huizen, the town where her father was born. Then it was off to a small church in Loosdrecht, where she visited the graves of her

great-grandparents and her "oma"—her dad's mother, after whom she's named. Finally, she met her Great Aunt Rina for the first time. Glowing with joy, they spent the day talking, sipping coffee and looking at old family photo albums.

"Me winning Miss HIGH TIMES and being able to go to Holland

to see where my dad grew up meant a lot," Clazina says now. "It took him two and a half years, but my dad finally told me he was proud of me."

And there was even more good news: Soon after being named Miss HT, Clazina met and fell in love with acclaimed glassblower Steve Bates (inventor of the "Borch" torch tube). The two are now engaged and have recently moved to Denver, where Clazina will end her reign at our Medical Cannabis Cup on April 20 of this year.

With her sweet smile, kindly disposition and devotion to the cause, Clazina is an ideal smokesmodel for both the magazine and the cannabis community in general, and she'll continue to be so long after she's passed on her sash and crown. We love you, Clazzy!

**Miss HT poses with B-Real at the HIGH TIMES booth.**



**The remains of the raid.**

**Supernatural of Dilated Peoples passes a joint on stage at the DNA Hotboxx Party.**







Tahoe Og Kush  
3rd Place Best  
Indica



DeadHead Og  
2nd Place  
Best Hybrid

# The CALI Connection™



The Original  
Buddha Tahoe Og  
3rd Place Best



Tahoe Og kush Wax

Coffee shop



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The Crew-Dro, Jordan, GTD,  
Hysterix, BUddha's Budder,  
Omicron, Thescientific,  
Delta9Vapes, PotCast,  
DNA Genetics,

Check us out 1st Place Best  
Concentrate  
@  
Thecaliconnectionltd.co.uk  
Pure Sativa, Attitude Seed bank,



like nothing had happened, but that didn't last long. At their 3 p.m. seminar, T.H.Seeds had planned to bring out their infamous snow blower, but wisely decided against it: "We'll save it for tonight at the Melkweg," Dunn told me. As we would soon learn, that too was not meant to be.

Thankfully, there was one thing that day that supplied us with a much-needed laugh: Some French guy

with that 420-yard stare approached me at our booth and said, "Excuse me—can you help me? I've lost a big bag of weed. If anyone finds it, will you please let me know?"

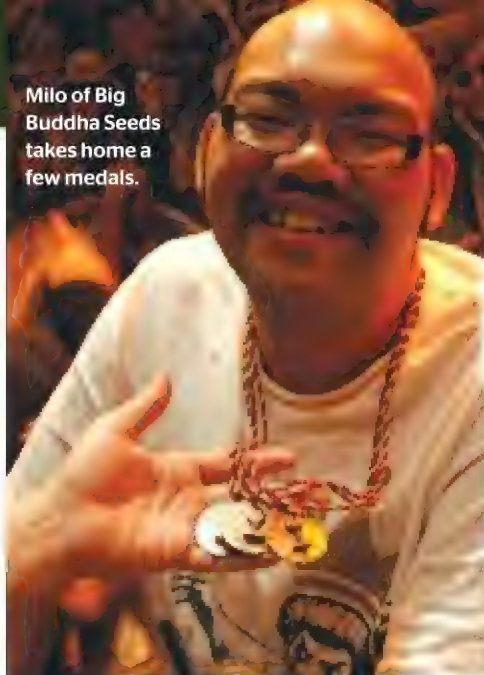
I could barely contain myself—this guy was dead serious! "Sure...I'll get

right on that," I replied. "Hey Dan, can you make an announcement? This guy lost a big bag of weed!"

A few cops did show up that day, but nothing came of it. Regardless, we decided to play it safe and close the Expo early. As I grabbed a final Heineken for the road, I bumped into Barney's owner Derry at the bar and asked him for his take on what had transpired.

"This operation wasn't put together overnight," he

Milo of Big Buddha Seeds takes home a few medals.



**'Excuse me, can you help me? I've lost a big bag of weed. If anyone finds it will you please let me know?'**

observed. "There were over 150 officers from three different branches working together—that *never* happens. This was planned weeks or months in advance. It was a show of force; they're trying to send a message...a shot across the bow, so to speak."

Never was that more evident than when we arrived at the Melkweg to find out that the cops had shown up there too, issuing an edict that no smoking be allowed inside the club during the awards that night. According to Derry, that edict had no legal basis and could easily have been challenged or simply ignored by the Melkweg management. But it wasn't—instead, there was a smoking area set up outside where people could go get high.

Nevertheless, the show must go on—and it did, with a little help from DJ Logic. Unsurprisingly, Barney's Farm and the Green House won the lion's share of this year's Cups, with Barney's taking the top prize for their Liberty Haze. History was made, however, when Colorado breeders pulled a hat trick—snagging all three Seed Company trophies: Reserva Privada Colorado actually tied with their sister company DNA Genetics for first place in both the *Indica* and *Hybrid* categories, and Rare Dankness claimed the top spot for *Sativa*. Another American company—the Cali Connection—also won the new Seed Company Hash award (for a full list of Cup winners, see p. 66). These upsets had some people jokingly calling this year's competition the "FedEx Cup." We also presented the Best

Carol Griggs Randall and her husband Michael accept the Counterculture Hall of Fame award on behalf of the late John "Farmer" Griggs.



Barney's Liberty Haze takes home the top honor.

Thomas of Serious Seeds and Scott of Rare Dankness Seeds.



Swerve of Cali Connection leaves the stage in victory.





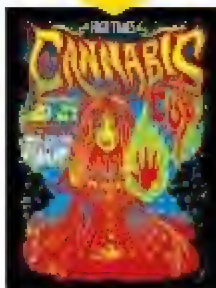
INNOVATIVE  
WATER PIPE  
TECHNOLOGY

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## Cannabis Cup Art Contest!

Want to design the official artwork for the 25<sup>th</sup> Annual Cannabis Cup and win a trip to Amsterdam? Go to [hightimes.com/cupartcontest](http://hightimes.com/cupartcontest) for submission rules and info.



Glass award to Roor's Raygun (see p. 16), the Freedom Fighter of the Year award to Debby Goldsberry, and a new Dutch Master award to Henk Van Dalen, founder of the Dutch Passion Seed Company.

Sipping champagne from his Cup backstage, Green House owner Arjan offered some further insight into the week's events. Borchland, he explained, was in what he referred to as Amsterdam's version of the Bronx—a neighborhood called Duivendrecht, six kilometers southeast of the city, which is in the process of re-gentrifying. Apparently, Duivendrecht's top cop is the same hard-ass who cleared all the junkies out of the red-light district back in 2007, and he's known for his zero-tolerance attitude.

The truth is, ever since Holland's conservative CDA party took control of the government in 2002, they've been trying to clamp down on the cannabis industry. In October 2011, they proposed amending the Opium Act to put any cannabis

with 15 percent THC or more onto List I and prohibiting its sale in coffeeshops—a restriction that most knowledgeable observers feel is unenforceable. Then, in November, they reaffirmed plans for a new policy that would ban tourists from the coffeeshops—first in the southern provinces, and then in Amsterdam as of 2013. But in spite of their political posturing, reports have already surfaced of the ban being put on hold, and members of the BCD (the coffeeshop union) swear that it will never pass.

Not insignificantly, the measure is opposed by Amsterdam's mayor and a large portion of its citizens, as it would cost the city millions in tourism and tax revenues.

These are strange new times we live in when, despite growing worldwide support for legalization, we face police harassment in Holland for the first time. Next year is the Cup's silver anniversary—a milestone we plan to celebrate by booking A-list entertainment and



Dutch Passion's Henk Van Dalen receives the first ever Dutch Master award.

honoring the founders of both the event itself and the Dutch cannabis community in general. And if the tourist ban does go into effect in 2013, it just may be our last hurrah in Amsterdam. Either way, the 25<sup>th</sup> Annual Cannabis Cup is going to be one for the history books. So if you've always dreamed of going to the Cup *someday*, well...start saving, because someday is here. ✨



The winner's circle takes a bow: Derry from Barney's, Arjan of the Green House, Don of DNA Genetics, Milo of Big Buddha Seeds, Aaron of DNA, Franco of the Green House.

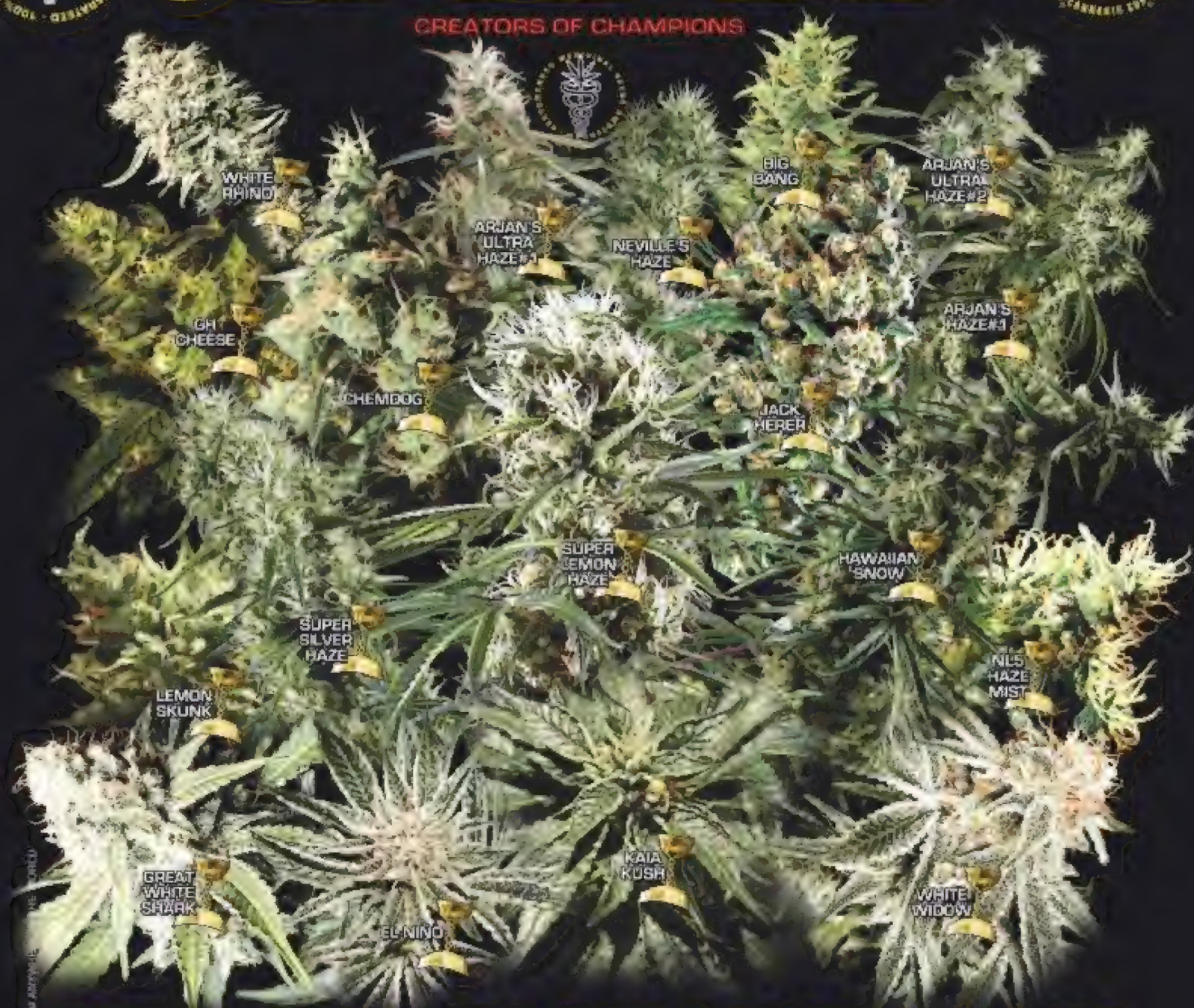




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# Cup-Winning Strains

The best buds at the 24th Annual HIGH TIMES Cannabis Cup examined in detail, from aroma to flavor to that all-important high. *By Danny Danko*

## THE CANNABIS CUP COFFEESHOP

1st  
Place  
2011

### Liberty Haze

*Barney's Coffeeshop*

In a year that saw all three winning coffeeshops from the 2010 Cannabis Cup repeating their victory *in the exact same order*, Barney's takes home the ultimate prize with a superb *sativa* boasting phenomenal flavor and potency! Liberty Haze follows up Tangerine Dream, the 2010 winner from Barney's and rivals its predecessor with strong and tasty nuggets coated with oozing trichomes. Strong lemony-citrus flavors abound, with hints of pine on the exhale. Above all, this strain is truly motivational, providing an electric buzz perfect for wandering the streets and canals of Amsterdam. [barneys.biz](http://barneys.biz)

2nd  
Place  
2011

### Hawaiian Snow

*Green House United*

Last year, it was Super Lemon Haze; this year, Green House wins second place again with Hawaiian Snow, a tasty and exhilarating *sativa* that combines Hawaiian and Lao-tian genetics for an amazingly uplifting experience. This 12-week-flowering strain causes the heart to race and the ideas to fly, inciting both contemplation and spiritual connection, with buds that glisten with glands shining like small diamonds when held up to the light. Hawaiian Snow is yet another superb sensi specimen from the Green House. [greenhouse.org](http://greenhouse.org)

3rd  
Place  
2011

### Buddha Tahoe

*Green Place*

Rounding out our trio of repeat winners, Green Place makes another third-place Cup showing, this time with Buddha Tahoe, an OG Kush cross from the Cali Connection crew. This one was produced specifically for the 2011 Cup and highlights the best of the legendary Tahoe OG. Swerve chose a Tahoe phenotype that was "super-resinous, with a funky undertone." Cup-goers raved about the



intense, long-lasting, *indica*-fueled high, and the seeds are also great yielders. [thegreenplace.nl](http://thegreenplace.nl)

## SEED COMPANY INDICA

1st  
Place  
2011

### Kosher Kush

*Reserva Privada and Reserva Privada Colorado*

Back-to-back *Indica* Cup wins and a 2011 HIGH TIMES Top 10 Strain of the Year award have put Kosher Kush firmly on the marijuana map. It's got all the kerosene-fuel odor of the clone-only Kushes of SoCal while retaining their potency level and duration as well (check out that whopping THC level below!). Sealed bags or jars are a must for these nuggets, which will stink right through a plastic baggie immediately. Growers (and trimmers) will love the impressive calyx-to-leaf ratio, but I should note that this plant is a heavy feeder and will stretch somewhat throughout growth. **THC: 22.60% CBD: 1.41% [dnagenetics.com](http://dnagenetics.com)**

2nd  
Place  
2011

### Starbud

*Hortilab*

Two years ago, Starbud won first place in this category and immediately alerted us to the existence of Hortilab, a Dutch seed outfit

with some serious breeding stock. This is their flagship *indica*, raised from select seeds obtained from a private grower in the US Midwest. From these, they created a feminized seed line that they are currently in the process of backcrossing. Starbud finishes in 60 days and produces super-compact buds with a nice yield. It also produces very good resin, which was used to make the first-place Concentrate Cup winner of 2010 (Starbud Meltz). **THC: 14.44% CBD: 0.80% [hortilab.nl](http://hortilab.nl)**

3rd  
Place  
2011

### Tahoe OG

*Cali Connection*

Similar to Buddha Tahoe, the third-place winner of this year's Cannabis Cup (see above), the Tahoe OG is Swerve's version of a classic Southern California Kush. He pollinated the Tahoe clone with his SFV (San Fernando Valley) OG Kush F3 male to produce beans of some of the strongest Kushes available in seed form. This is a strain that seems destined to continue impressing judges and cannabis aficionados well into the future—the citrus-and-diesel funk is unmistakable here, and Swerve offers growers the following advice: "Let the Tahoe flower out for a full 70 days and use training techniques to get the most out of her." **THC: 17.47% CBD: 1.67% [thecaliconnectionltd.co.uk](http://thecaliconnectionltd.co.uk)**



**Kosher Kush**







**MOONSHINE HAZE**  
(Rare Dankness Seed Co.)

**HOLY GRAIL KUSH**  
(DNA Genetics/Reserva Privada Colorado)

**HAWAIIAN SNOW**  
(Green House United)

**BUDDHA TAHOE**  
(Green Place)

**ELECTRIC LEMON G**  
(T.H.Seeds)

**DEAD HEAD OG**  
(The Cali Connection)





**KOSHER KUSH**  
(Reserva Privada and Reserva Privada Colorado)



**TAHOE OG**  
(The Cali Connection)



**LIBERTY HAZE**  
(Barney's Coffeeshop)



**STAR BUD**  
(Hortilab)



**AK-47**  
(Serious Seeds)



**DOMINATOR**  
(Karma Genetics)

**HIGH TIMES**  
**CUP WINNERS**



**Assorted Hash**





## SEED COMPANY SATIVA

1st Place 2011

### Moonshine Haze

*Rare Dankness Seed Co.*

A first-time entry and a first-time winner! I had the honor of handing Scott from

Rare Dankness his Cannabis Cup for Moonshine Haze, and both he and it are quite deserving. Scott used a Nevil's Haze × Arcata Trainwreck male to pollinate an Amnesia Haze (Soma) female to produce this masterpiece of *sativa* goodness, which presents that classic tropical-fruit smell and spicy, menthol Haze taste. Burning the Moonshine Haze also leaves behind an amazing incense-like odor, part sandalwood and part orange-spice candle. **THC: 19.16% CBD: 0.88%**

[raredankness.com](http://raredankness.com)

2nd Place 2011

### Electric Lemon G

*T.H.Seeds*

T.H.Seeds partnered up with Teslaponics Seed

Kompany (TSK) to produce

this delicious, lemon-flavored *sativa*—and they utilized electricity in a fairly unusual fashion throughout the growing process. Starting out with a special proprietary recipe for the medium, they flowered out the Electric Lemon G for nine weeks with alternating current running directly through the plants (!), which they claim increases the essential-oil production, bud density and yield. We certainly can't argue with the results: a flavorful strain with plenty of power.

**THC: 13.99% CBD: 0.99%** [thseeds.com](http://thseeds.com)

3rd Place 2011

### Dominator

*Karma Genetics*

After Karma Genetics won third place in last year's *Indica* Cup with their White OG, we

knew we'd have to stay on the lookout for any new offerings from these guys—and we were right. Their Dominator—a cross between a Kushage female and a Jack Herer male, both carefully selected for specific traits—is truly a *sativa* for the ages. Flowering out the Dominator can take anywhere from eight to 11 weeks, with the longer-flowering phenotypes being more desirable in terms of flavor and potency. The addition of Jack genes helps pack on the yields for this spicy variety, which grows equally well indoors and out. **THC: 13.39% CBD: 1.25%** [karmagenetics.com](http://karmagenetics.com)

This Moonshine Haze closeup displays extraordinary trichome production.

The world-famous AK-47 strain from Serious Seeds strikes again.

## SEED COMPANY HYBRIDS

1st Place 2011

### Holy Grail Kush

*DNA Genetics/ Reserva Privada Colorado*

DNA Genetics (and their spin-off, Reserva Privada)

continue to rack up the awards in every seed-company category! Their new Holy Grail Kush pairs two heavy-duty SoCal staples—Kosher Kush and OG #18—to form a truly transcendent marijuana variety that combines the best features of both, with the yield of the #18 and the piney taste of the Kush prevailing. According to Don and Aaron (the “D” and “A” in DNA Genetics), the Holy Grail Kush is also great for beginners: “She’s very forgiving, hard to mess up and finishes in only nine weeks.” But the one thing I remember most is that her flavor lasts as long as the high. **THC: 19.39% CBD: 1.53%** [dnagenetics.com](http://dnagenetics.com)

2nd Place 2011

### Dead Head OG

*The Cali Connection*

East meets West (Coast) in this incredible cross of a Chemdog 91 female and an SFV OG

Kush F4 male. The result is a superb strain that stands apart from watered-down imitations, with the Chem 91's fuel funk and the OG's Lemon Pledge aroma combining to create a truly memorable bouquet. Swerve tells me that the Dead Head OG finishes flowering in just eight weeks and is “a great yielder, with flavor that's not for the faint-hearted.” And as the only other winner (besides the Kosher Kush) to test at higher than 20% THC, you know this one's got some fire on the mountain. **THC: 20.08% CBD: 1.13%** [thecaliconnectionltd.co.uk](http://thecaliconnectionltd.co.uk)

3rd Place 2011

### AK-47

*Serious Seeds*

What can you say about the legendary AK-47 from Serious Seeds, inaugural inductees

into the HIGH TIMES Seed Bank Hall of Fame? Over the years, AK-47 has garnered a HIGH TIMES Cannabis Cup (second-place *sativa*) in 1999, a HIGH TIMES Strain of the Year award in 2003 and, remarkably, a third-place win in this year's hybrids category in Amsterdam. This stalwart strain—the flagship of the Serious Seeds stable—continues to astound growers and smokers alike with a short flowering time that nevertheless brings in heavy yields of thick, identically shaped colas covered in resinous trichomes. These greasy spears of remarkably dense, sativa-dominant bud reveal why AK-47 has been such a formidable favorite for years.

**THC: 18.93% CBD: 0.48%** [seriousseeds.com](http://seriousseeds.com) 🌿

Dead Head OG is a real mind-bender.



# Upper Echelon

*Gardens still flourish in Michigan—though the state's medical marijuana program may be under siege, no one is throwing in the towel. Witness the resolve of one master grower on Michigan's Upper Peninsula.*

*Story & photos by Dan Skye*







**I**n early December, the raids occurred again. Medical marijuana dispensaries and gardens were hit across Michigan. In Okemos, the gardens of Capital City Caregivers were stormed by the DEA, state police and the Tri-County Metro Narcotics Squad, which threw smoke bombs and brandished automatic weapons.

The Blue Water Compassion Center in Richland was also raided. So, too, were Collective Inc. and the M-22 Collective in Traverse City.

State Attorney General Bill Schuette fully supports the crackdown. Ever since he took office a year ago, the state's three-year-old medical marijuana law has been a high-priority target of his. In an astonishingly arrogant interview on WOOD TV8/Grand Rapids last December, Schuette stated: "People didn't vote to have dispensaries near churches. People didn't vote to have greater access to drugs near schools. So the point is, when there's a law that's been poorly crafted, that's caused lots of problems in communities, it's my job to interpret that law."

He went on to add that "if citizens of the state of Michigan want to have a discussion or maybe a vote or a debate on legalizing drugs, go ahead, let's have that. Now I'm opposed to that, because it gives gateway drugs to kids—I think it really would mean easy access for young people to get hooked on drugs. So I'd be opposed to it. But I think it's better to have a debate and discussion about it. And I'd be honest about it instead of looking the other way—a nod and a wink."

In fact, as Schuette knows full well, the state's medical marijuana law has already been discussed, debated and voted on—and it passed with a whopping 63 percent of the vote. But Schuette (with the support of the Obama administration, which has given wide latitude to the enforcement of federal drug laws in medical marijuana states) has cynically sought to destroy Michigan's med-pot law rather than implement and enforce it, even though the latter is his sworn duty.

A view from the rugged Upper Peninsula of Michigan on the northern shore of Lake Michigan. (Inset) Jerry Glasscock inspects his plants.

In light of Schuette's swath of destruction, fury within Michigan's marijuana community has mounted. But ask anyone and they'll tell you: Despite the renewed crackdown, there's no turning back the clock. These are the last, desperate efforts of our nation's drug warriors to undermine marijuana's growing acceptance and punish those who champion its use. The growers certainly aren't blinking—and to see that, you need look no further than the Upper Peninsula of Michigan for a demonstration of that tenacity.

If you were an "A" student in geography, you may recall that Michigan is actually made up of two great landmasses: There's the southern, mitten-shaped part of the state, flanked by Lakes Michigan and Huron, and then there's the rugged, northern hinterland—the Upper Peninsula—which makes up a quarter of the state's total landmass but only 3 percent of its population. The UP is bordered by Lakes Michigan and Huron to the south, Lake Superior to the north, Wisconsin to the west, and Ontario, Canada, to the northeast.

It takes a special breed of person to live on the UP. This is God's country, and God apparently prefers a harsh climate that is wildly







In the harsh climate of the UP, a greenhouse is the best way to grow.



California Hash has found a home in Michigan and thrives.

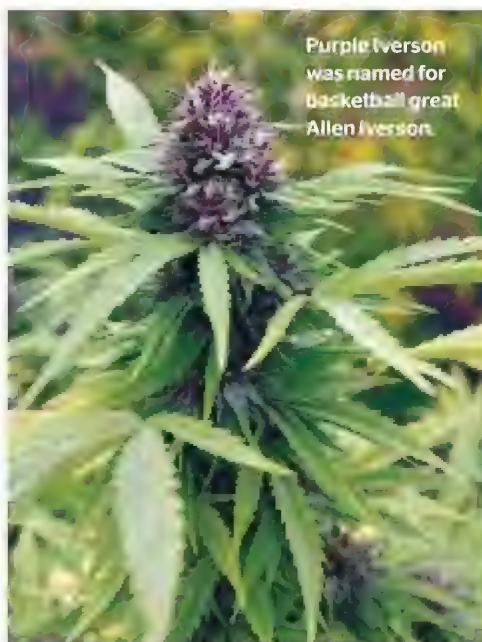
unsuited to agriculture. Residents must reconcile themselves to brutal winters that bring over 300 inches of lake-effect snow in the northern peninsula and offer a mere eight hours of daylight. Logging and tourism are the UP's major industries; agriculture is simply not an option. But *horticulture* is a different matter.

Jerry Glasscock lives near Manistique on the Upper Peninsula and operates two large greenhouses. He's a former corrections officer of 18 years, and he looks back upon his tenure with mixed emotions.

"In corrections," he says, "even when things go right, there's stress involved. You're responsible for people's care, and you're responsible for their rehabilitation. But you have to make sure they follow the rules, so there's not much of a balance."

His service in a "boot camp" for young offenders, designed to provide them with basic life skills, was memorable and generated scores of thank-you letters, but budget cuts eliminated the program. Now retired for eight years, Jerry has dedicated himself to growing top-grade, organic cannabis.

He initially focused on raising organic vegetables, specifically heirloom tomatoes, but following passage of the state's medical marijuana law, he decided to venture into cannabis cultivation. He also founded Upper Peninsula NORML (Jerry's a long-time marijuana smoker and makes no secret of the fact that he smoked off-duty while serving as a corrections officer, for both blood pressure and stress management, prior to the rampant drug-testing policies now in place).



Purple Iverson was named for basketball great Allen Iverson.

In 2009, he built his second greenhouse and brought in his first crops. He also founded the Upper Peninsula Institute of Cannabis Science, a registered LLC with the state, which he created to provide education on the Michigan Medical Marijuana Act and the science of cannabis use for medicinal purposes. In fact, his greenhouse was designed to accommodate classroom instruction, outfitted with a wide deck overlooking the budding plants. His plan was to offer 12 weeks of classes in which students would tend and ultimately harvest their own crop. He also had a vision of instituting a med-pot program overseen by the local community, though, not surprisingly, the current aggression by the state has put those plans on the back burner. But his greenhouse is another story.

"In northern Michigan, the growing season is very limited," Jerry explains, "but greenhouses allow the ground to heat up earlier, enabling roots to develop earlier. They also protect against the untimely frost we occasionally see at the end of May or in early June, and in the fall."

His garden is a mix of rare and popular strains. There's Critical Jack (Skunk × Jack Herer) and Blue Widow (Blueberry × White Widow). His Fruity Chronic Juice is a Juicy Fruit × Bubble Gum. Then there's Amazonia from the Brazilian rainforest and Free Leonard (Butterscotch Wine × Skunk).

Kwazulu, from South Africa, is a centuries-old *sativa* supposedly used by Zulu warriors before battle, according to the local lore. His most prized strain is Purple Iverson, an *indica* similar to Northern Lights, which is his tribute to former NBA superstar Allen Iverson, who toked throughout his stellar career.

To be sure, "organic growing isn't easy," Jerry laughs. "There's no magic formula that kills all the weeds or organic spray that kills all the bugs. Chemical products are just shortcuts to fighting bugs and mildew, but many of these substances remain on the product after harvest."

"It's only ethical to provide the safest possible medicine to a patient," he continues. "For the greater part of the plant's life, the most effective way to fight spider mites is with the garden hose. In the early morning, liberally spray the underside of all the leaves, but make sure there's an abundance of air movement within the greenhouse throughout the day. Occasionally, I'll prepare a spray



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mixed with Murphy's Oil Soap at 15 ml per gallon; this helps fight mites as well as powdery mildew. Also, the phosphorus in it acts as a foliar spray. Another organic product for mite control that I've had success with is Hot Pepper Wax spray from Neptune's Harvest.

"Always assume there are mites in your grow waiting to get a foothold," he says. "If you always treat your plants for mites regardless of if you see them or not, chances are you won't ever have a problem with them. It's critical to keep them at a minimum going into the late flowering stage, when your options are limited ... for example, spraying buds with a garden hose *isn't* a good idea."

His feeding program consists of top-dressing the soil monthly with Neptune's Harvest Organic Crab Shell and Kelp Meal. With every third watering from May

mid-September to harvest, he adds 2 ounces of the Fish/Seaweed Blend per gallon. Finally, in the last two weeks before harvest, he supplements the plants with Hi-Brix Molasses, beginning at 3 ml per gallon and progressing up to 7 ml per.

The plants grow in basic potting soil with compost in 10-gallon buckets that have had their bottoms cut out. The buckets lay atop a layer of sand: When the plants are finished, Jerry wants no residual nutrients to be taken up by them, and the sand negates that possibility.

He heats the greenhouse with a Wood Doctor outdoor stove that supplies warmth to his home as well: Water heated in the wood stove is circulated into the greenhouse and flows through a heat exchanger. Also, cooling the greenhouse in the summer is crucial. "Air movement is as important—if not more important—



*"It's been frustrating. Jobs are scarce. We have the highest unemployment on the UP at 13.8 percent. There are so many ways that cannabis can lift a community."*

Jerry talks a lot about nature and the natural. As we walk, strains of classical music waft through his greenhouse. His deck, which was designed for conducting cannabis classes, now provides a pleasant oasis to ponder the political battles ahead.

"It's been frustrating," he says. "Jobs are scarce. Here in Schoolcraft County, we have the highest unemployment on the UP at 13.8 percent. There are so many ways that cannabis can lift a community—yes, there are jobs, but the health benefits are undeniable. Young people want to explore; it's human nature. Isn't cannabis a better alternative for young people than hard drugs or alcohol? Isn't it a better alternative for adults, too?"

Of course, these are rhetorical questions, since they've been answered time and time again. "Everything's up in the air now," Jerry concludes. "My only recourse is to keep on growing. Citizens need to

be active in local political offices and people shouldn't be afraid to get involved in local government. Doesn't make much sense to sit back and complain and watch our liberties be eroded. People need to be willing to step up into leadership roles in their communities and work for positive change. 🌱



through August, he adds 1 ounce per gallon of Neptune Harvest's Organic Fish Fertilizer as well as 1 ounce of their Fish/Seaweed Blend. He supplements this with General Hydroponics' Subculture B and Humboldt Nutrients' ProZyme, both at 5 ml per gallon. For his weekly foliar feed, he uses Humboldt Nutrients' Sticky (7 ml per gallon) and Neptune Harvest's Seaweed plant food (15 ml per gallon). From mid-August to mid-September, he uses 1 ounce of Neptune Harvest's Fish/Seaweed Blend supplemented with 1 ounce of their Seaweed plant food, and from

than feeding and watering," Jerry says. "My greenhouses are set with thermostats that kick on the intake and exhaust fans at a set temperature. When designing a greenhouse, spend the time to figure out the correct cubic feet per minute (CFM). Proper airflow increases the uptake of carbon dioxide, essential for photosynthesis to take place. Airflow naturally helps defend against bugs and mildew. In nature, it's simply called 'wind.'"

Visit Jerry's greenhouse.  
[hightimes.com/michigangrow](http://hightimes.com/michigangrow)



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# BIGGER

*How to use pruning and trellising*

# YIELDS

*for big advantages.*

# MADE EASY

*Story and photos by Nico Escondido*



There are many ways to achieve bigger yields in your garden. Some methods focus on feeding programs, others on system type or lighting setup. However, one of the best ways to improve yields is to use simple plant science and biology to allow a more natural increase in production.

Understanding the physiology of cannabis plants can be beneficial not only for the quality of the final product, but also for its quantity. This means you won't have to sacrifice one for the other, which can sometimes be an issue when choosing to increase yields via chemicals or technology. What follows is a basic breakdown of a two-part method for improving yields that focuses on two relatively simple gardening techniques: pruning and trellising. Together, they can provide a powerful tool for increasing yields for everyone from the home grower to the commercial cultivator.

### The Science of Pruning Cannabis

It's often been said, and it's actually quite true—pruning is both an art and a science. The art aspect is easily appreciated: Pruning can infuse creativity into your gardening experience and change the overall aesthetics of your garden, plants and buds for the better. But for our purposes here, the focus is on the science of pruning, specifically understanding the *hows* and *whys*.

First, let's start with a warning: Cutting is an irreversible operation. Therefore, it's better to start by cutting too little rather than too much, especially

if you're new to the practice. Remember, you can always go back and cut more, but it's a lot tougher (though not impossible) to reattach broken stems or branches.

That being said, the first concept we need to address when learning about pruning is *apical dominance*. This occurs in the terminal or topmost shoot of a plant (though it's also closely linked with the center or main stem or trunk), and it's what guides the upward direction of the plant's growth. Apical dominance is governed by the production of plant hormones (auxins) that are developed in the terminal shoot, which inhibit the growth of other lateral shoots below. However, with the removal of this topmost dominant shoot, there's a decrease of certain auxins throughout the plant, which allows these lateral shoots to produce new, vigorous growth. This type of pruning is usually known as "topping" or "pinching off," in reference to the various ways for removing the terminal shoot.

Pruning has two main objectives: controlling the direction of growth and encouraging vigorous new growth. By removing apical dominance, you will cause the plant to begin directing its growth to the highest lateral shoots—in cannabis, usually the two main side nodes directly below the center shoot. These two lateral shoots now become invigorated and will rapidly become the new main top shoots of the plant. And this is where trellising begins to come in handy.

**Pruning creates a bushing effect and causes a need for trellising.**



### The FIM Technique

**FIMing:**  
Trimming 80 percent of the terminal shoot off, leaving a "mowed" top.



Another useful trick when topping plants in order to encourage new growth is a lesser-known method known as the FIM technique. "FIMing" was first reported in High Times by grow master Kyle Kushman, and the acronym actually stands for "Fuck, I Missed!"

The name is appropriate, because the technique was accidentally discovered by a grower who was simply trying to top his plant. Using small trim scissors, he missed cutting the base of the top terminal shoot and, instead of removing the whole thing, actually cut a little higher up the bud, leaving about 20 percent of the frayed shoot intact.

This turned out to be a blessing in disguise, as the effect on the plant was that many of its lower lateral shoots developed rigorous growth—far more than just the two that are usually stimulated by standard topping. Many advanced growers now use the FIM technique to create an extreme bushing effect in plants, both to control their size and shape and to massively increase their yields.





## The Art of Trellising

When it comes to trellising, it's probably accurate to say that it involves more art than science. Still, the practice does involve a fair amount of technical execution.

A trellis system is simply a frame or structure of latticing (crossed strips) that is used to support growing plants. Indoor growers may be familiar with the term "screen of green" (ScrOG), a variation of the "sea of green" (SOG) technique. The screen or netting used in ScrOG—which is laid over the top canopy of a garden, with the branches weaved through it during growth—is a form of trellising; others may include interlocking strips of wood or metal. Sometimes a trellis cuts



The early stages of veg is when topping should occur and trellis training begins.



Four weeks into flowering, the results of effective topping, and the need for trellising, becomes apparent.

through or over a plant in many directions; other times, only a few cross-sections are used and the branches are pulled back and tied off.

Once we examine the effects of pruning, it becomes quite clear why a trellis can prove very useful in the garden. Now imagine if a cannabis plant was repeatedly topped during its vegetative stage. (Note: Any topping, pinching off or FIM-ing of the plants should only be done during the vegetative stage.) The ensuing effect would be an extreme bushing, with many new top shoots developing. This is because, after the first topping, there is no longer a single, dominant terminal shot, so that each time a new top

lateral shoot is removed, the two nodes or branches directly below it will begin to grow vigorously as if *they* were the main terminal shoots. Each time this process is repeated moving down the plant, more and more "main" shoots will develop. However, these shoots will need extra support, since they are lateral branches and don't have the structural support that a single, dominant center shoot would have had.

Next, we need to understand how trellising can aid in increasing plant yields. The trellis is used as the plant's support system for all the new top colas that will be forming. As each top shoot is pinched off, the new growth that develops

Once we examine the effects of pruning, it becomes quite clear why a trellis can prove very useful in the garden.

directly beneath it needs to be trained as it grows—i.e., pulled up or woven through the trellis. This is why netting (with approximately 6" x 6" squares) is often one of the best methods for trellising, as it's easy to spread out over the tops of plants or the garden canopy, and it's also easily attached to the corner and side posts that provide the support strength needed.

When using a trellis of any kind, it's important to pull the plant's branches apart to give them as much lateral separation as possible. This not only allows them room to grow, but it also creates better light penetration as well as air (and CO<sub>2</sub>) circulation throughout the plant. As the branches are pulled out, the colas or shoot tips should be trained to grow vertically (i.e., *up*). The natural tendency of the plant is to grow toward the light, so when the branches are trained horizontally, the plant will try to correct this: Buds in the leaf axis will begin to grow vertically, though in most cases this will affect just the tip or cola of the branch. But in some systems where the branches are woven horizontally through a trellis at length, the result can be many top cola formations along the same lateral branch. This system will require increased spacing between the individual plant sites below the canopy and also possibly a larger garden space overall, but it can also greatly increase yields through supercharged production from each plant.



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Trellising not only structurally supports new top growth, but also aids in separating branches and creating better light penetration.

Certain trellis types are especially effective at promoting increased yields, while also lending themselves to easy plant maintenance and preventive pruning measures.

### *More Pruning Points and Trellis Tips*

**M**aximizing a plant's potential for yield is not an easy task: It requires a lot of time and attention paid to each plant in the garden, as well as increased pruning and maintenance. When using a trellis system, the need for pruning doesn't end after topping the plant a few times—in fact, it increases.

As the plants bush out and more and more tops are woven up through the trellis, it's important to trim off the excess interior leaves and lower shoots, which will eat up plant energy and block light and air movement. Big fan leaves as well as tiny offshoots near the bottom are consuming more plant food than they're helping to create; this energy can be more usefully directed to the developing colas and flowers higher up the plant.

Mold or botrytis can also become a problem when cannabis plants are pruned to grow round and bushy. Moisture and humidity increase within the plant as new offshoots and leaf vegetation develop and lock moisture within

the plant's interior. Clearing out older and bigger leaves close to the main stem helps prevent mold from forming.

Certain trellis types are especially effective at promoting increased yields, while also lending themselves to easy plant maintenance and preventive pruning measures. Indoors, the aforementioned string netting is a good choice, as are bamboo shoots, which are non-abrasive and sturdy, and which many gardeners use to create their own simple latticework with pull ties. (However, when using any type of sticks or rods, be very careful when inserting them into the medium container so as to not damage plant roots.) Outdoors, vertical or upright trellis systems are often deployed, since there's usually more space to work with. Wooden frames or wire cylinders placed around the plants make excellent choices for branch separators and support.

Whichever direction you choose, remember that tying branches can be a risky proceeding. It's also worth noting that even after the vegetative stage (and the topping of plants) comes to an end, the plants will still grow up to



Pruning off undergrowth diverts more energy to production of top colas as seen here.

another two-thirds in size during flowering! Which is why it's best to design a trellis system that gives your plants the leeway to expand and develop as needed. After all, stressing your plants and inhibiting their growth runs counter to the objective here, which is simply to maximize each plant's potential and increase our garden yields. 🌿



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# Beware the Box Canyon

If we keep fighting only for medical marijuana, marijuana is going to be medical-only.

By “Radical” Russ Belville

“You live in a medical state?” she asked.

The attractive blonde passed me the smoldering joint and continued: “That’s so cool—we’re never going to get medical here in Georgia. Y’all are so lucky in Oregon. Y’all are probably going to legalize it any day now!”

I nodded and picked the joint from her French-tip-manicured fingers in the smooth pass that’s almost a secret handshake among experienced stoners. I didn’t have the heart to be Captain Buzz-kill and confess my fear to her: that medical marijuana policies may be leading us into a political “box canyon” where medical use becomes pharmaceuticalized and full legalization becomes unattainable.

In other words, if we keep fighting only for medical marijuana, marijuana is going to be medical-only.

## Prop. 215: Framing Marijuana as Medicine

**O**n November 5, 2011, during NORML’s daily streaming podcast, *NORML Show Live*, I recognized the 15th anniversary of California’s Compassionate Use Act, better known as Proposition 215, which passed with 55.58 percent of the vote and remains the marijuana law reform movement’s greatest achievement in the War on Drugs era.

The successes of Prop. 215 are well known: Two years following its passage, the rest of the West Coast and Alaska passed their own medical marijuana initiatives, with support that was equal (Oregon: 55 percent) or greater (Washington and Alaska: 58 percent) than California’s voters gave to Prop. 215. The next decade saw 12 more states and the District of Columbia passing medical marijuana laws, with seven of those states doing so through their legislatures, and five of the citizen initiatives topping 60 percent support.

As states passed medical marijuana laws, some added more conditions for qualification, some legislated dispensary operations, and the most recent





have instituted protections for the rights of patients to drive, work, have a home, get an organ transplant and raise their kids. In some ways, the status of medical marijuana has definitely improved in 15 years. But a closer examination reveals a reform strategy that has stalled out and may even be in decline.

In the 2010 elections, Oregon failed to pass a dispensary measure for the second time, with support remaining in the low forties six years after the measure was first proposed. A medical marijuana initiative in South Dakota went down to defeat with only 36 percent of voters supporting it—a drop of 12 points since a similar vote was last tried in 2006. Arizona narrowly passed its medical marijuana law with 50.1 percent support, though the law had previously enjoyed 65 percent support in 1996 and 64 percent support in 1998 (both of those earlier Arizona referendums were invalidated).

Indeed, the polls show a stalling of support on the medical marijuana issue nationwide as well. When Gallup asked about medical marijuana and legalized pot in 1999, support stood at 73 percent and 29 percent, respectively. I assume that anyone who supports legalization for healthy people supports it for sick people as well, so that means 44 percent of those polled in 1999 supported medical use *only*.

## **The slogan “I’m a patient, not a criminal” implies that you’re a criminal if you’re not a patient.**

According to Gallup, support for medical marijuana reached a high of 78 percent in 2005. But in the company’s most recent poll on the subject, conducted in 2010, support for medical marijuana had dropped to 70 percent—down eight points—even as support for legalization hit an all-time high of 50 percent in Gallup’s latest (2011) poll. Why has support for legalization doubled (from 25 percent to 50 percent) since Prop. 215 was passed, while support for making a medical exception to criminalized marijuana has basically flatlined?

### **‘Don’t pee on my leg and tell me it’s raining’**

I’ve seen how courts, legislatures and law enforcement have supported medical exceptions—by trying to make them as narrow and costly as possible. No state followed California’s lead in making marijuana available by a doctor’s recommendation for “any other



*illness for which marijuana provides relief,”* instead crafting strict condition lists and patient registries.

The West Coast standard of a dozen or more homegrown plants became a mere three to six plants or no home growing at all. The precedent of a half-pound or more of usable medicine became one or two ounces, tracked to the gram and filmed at all times. State supreme courts all across the Ninth Circuit have ruled that medical marijuana patients are not protected against job discrimination, and they still experience discrimination in

terms of housing, child custody and medical procedures as well.

Oregon legislators proclaimed the state’s medical marijuana program rife with abuse on the sole evidence that 50,000 patients had signed on, so they doubled the mandatory registration fee (up to *five times more* if you’re poor and previously got a discount) specifically to reduce the number of people registered. Oregon sheriffs are in agreement with the US Bureau of Alcohol, Tobacco, Firearms and Explosives that medical marijuana patients have no Second Amendment rights, and they’re even taking that case to the US Supreme Court. Plus legislators in Colorado passed a series of regulations making it more difficult and expensive to operate a medical marijuana dispensary than a liquor store; these regulations have also made it impossible for anyone to be a personal caregiver who simply supplies marijuana to a patient.

Meanwhile, Montana legislators attempted the outright repeal of their state’s medical marijuana law—which was saved at the last minute by the governor’s veto—and have since enacted strict new regulations with the stated goal of eliminating nine out of 10 registered patients from the medical marijuana program.

Nor is the news much more encouraging in other states. California localities continue to restrict dispensary operations. Washington’s governor vetoed a dispensary measure, and Arizona’s governor has stonewalled the implementation of dispensaries there. Alaska, Maine, Nevada and Vermont still have fewer than 1,000 protected patients each. Plus lawmakers in New Jersey and the District of Columbia are dragging their feet and have yet to implement their own programs.

The basis of these restrictions and discrimination is the federal government’s Controlled Substances Act, which gives marijuana a Schedule I designation that defines the use of cannabis by healthy people as a criminal act. I believe these restrictions, dwindling poll numbers and failed medical marijuana initiatives all indicate that a substantial portion of Americans now think that “compassionate use” is a ruse.

But what could have given them that idea? Over the past two years, I’ve been fortunate to speak at various medical-cannabis events and expos across the West Coast. I’ve seen the pole dancers and naughty nurses promoting dispensaries and advertising “bud specials” at their dispensaries like a tavern advertises happy hour. I’ve watched lines of 18- to 25-year-olds at a “recommendations



tent” where a doctor with a stethoscope takes vital signs over the booming bass of Cypress Hill performing onstage. I’ve been in the “Prop. 215 area” where tattooed, pierced and dreadlocked dudes help patients medicate with 12-foot vapor bags and yard-long joints.

While I personally find all of this very enjoyable, I can only imagine Judge Judy looking at it and saying: “*Medical?!? Don’t pee on my leg and tell me it’s raining!*”

### The ‘Lesser of Two Evils’ Is Still Evil

I believe that, among voters who are not personally invested in this issue, there are three basic stands on medical marijuana. First, there are those who believe that pot is evil and will never support anyone using it for any reason—a.k.a. the “prohibitionists.” Second, there are those who believe that pot is evil, but that letting cancer and AIDS patients suffer is even worse; call them the “medicalizers.” And lastly, there are those who believe that pot *isn’t* evil and would allow any adult to use it. These are the “legalizers.”

From this breakdown, we can see that the prohibitionists will *never* support medical marijuana, and that the legalizers

have always supported it. So the fate of any medical marijuana initiative rests on whether a coalition of legalizers and medicalizers can form a majority. Over the past 15 years, forming that majority has required more restrictive definitions on medical marijuana use to assuage the medicalizers, who increasingly think that evil recreational pot use is slipping through the loopholes. Worse, forming that coalition requires the legalizers to tacitly agree that smoking pot *is* evil.

When the medical marijuana movement began in the 1990s, the rallying cry was: “If there’s going to be a War on Drugs, let’s get the sick and dying off the battlefield.” But if that’s the case, why do we continue to see a rise in “casualties” on that battlefield? Even in medical marijuana states, the annual arrest rate of cannabis consumers continues to rise. All medical marijuana has done for marijuana convicts is to improve their demographic’s average level of health in 16 states.

Medical marijuana has triggered a revitalization of marijuana activism. But I believe we’ve reached a point where any future medical marijuana laws will have to be increasingly restrictive. And since the DEA is on a path to reschedule

plant-derived THC for Big Pharma’s use in the near future—allowing the development of pharmaceutical products that will provide the medical relief without the “high”—this will certainly cleave away many of the medicalizers from supporting further reforms.

This is not to argue that we should give up on medical marijuana campaigns or reframe them from “Oh, no, this isn’t about legalization at all!” to “Yes, we’re going to legalize for sick people first.” But we’ve reached the point where support for medical use only has started to decline, even as support for legalized adult use has increased by over 20 percent and now threatens to outpace the opposition for the first time.

The public is ready for a serious discussion of marijuana legalization. Until marijuana is supported as a good thing for all and not an evil thing for which we allow medical exceptions only, medical marijuana patients will remain stuck in second-class citizenship, and healthy marijuana smokers will remain behind bars. ✨

*Russ Belville is NORML’s National Outreach Coordinator and host of the live daily cannabis news podcast, NORML SHOW LIVE, 4pm Eastern at [live.norml.org](http://live.norml.org).*

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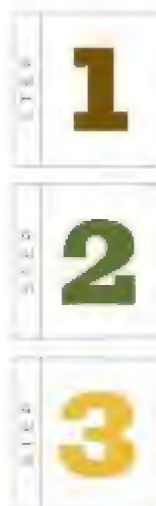
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by CHRIS SIMUNEK  
Photos by MARK MANN

# Snoop & Wiz

Snoop Dogg and Wiz Khalifa give us the dope on their new movie *Mac and Devin Go to High School*—and the differences between California and Amsterdam.

## THE HIGH TIMES INTERVIEW





**A**LTHOUGH I'VE NEVER met Snoop Dogg before, I remember the time HIGH TIMES presented him with the 2002 Stoner of the Year Award at BB King's in Times Square. Snoop showed up dressed in a black silk suit with a Persian lamb-lined black suede overcoat and matching hat, carrying a silver-encrusted chalice and black cane that I seem to remember had secret compartments in it that were stuffed with weed. To witness that is to know that Snoop's pimp hand is not just strong, it's downright atomic.

The occasion that brought Snoop Dogg, Wiz Khalifa, and HIGH TIMES together was the impending release of the stoner comedy, *Mac and Devin Go To High School*, wherein Snoop plays a student that has been having so much fun in school that he's taking a decade or two to graduate and Wiz plays a sheltered brainiac whom Snoop takes under his wing. Now, if you've seen Wiz's incendiary live performance, it might seem like a stretch to envision him as sheltered, but I noticed he was a bit reserved in Snoop's presence, and in fact Snoop affectionately refers to Wiz as "neph." *Mac and Devin* promises to be hip-

hop's answer to Cheech and Chong, only with a lot more marijuana involved.

For the photo shoot the good folks at DNA Genetics provided Kosher Kush, winner of the 2011 HIGH TIMES Cannabis Cup Indica Award. When Snoop saw the layout he said, "If this was just a Snoop Dogg shoot, this might be enough weed, but Snoop and Wiz Khalifa? I don't know..."

After a dozen-plus

joints and blunts, the two sat down for an interview, but we had a surprise for them first. Since they were appearing on the cover of our Cannabis Cup issue, we thought it appropriate that they should give us their own opinions on this year's winners, which arrived from Amsterdam, strapped to the legs of one very exhausted carrier pigeon. After a perfunctory lesson in Cannabis Cup judging, Snoop chose Electric Lemon G, winner of the *Sativa* Cup, as the best place to start. It should be mentioned that while Snoop and Wiz were beyond professional in their judging methodology, there were a few strains at the end that were left unsmoked.

*"Snoop's character is just like a cooler guy. He's a 15-year senior, but he's not dumb or anything; he's just having a really good time in high school."*



**Unidentified member of the crew [to Wiz]: You want the Swishers now?**

*Wiz:* Hell, no ... I'll never smoke another Swisher in my life.

**HT: You don't like the blunts?**

*Wiz:* It's been about four years.

**Why'd you quit?**

*Wiz:* Just 'cause I figured out that I don't *have* to use tobacco with my weed.

**I'm reminded of the song on the *Mac and Devin* soundtrack: "You Can Put It in a Zag, I'mma Put It in a Blunt."**

*Snoop:* That was spawned off of us doing what we do—it's like, we hanging out with each other and we doing our thing, and I'm smoking blunts and he's smoking Zags, and it was natural. It felt like we should have said that, because that's what we do, and it's perfect for the song, it's perfect for the movie, it's perfect for the soundtrack, it's just a natural feeling—some people prefer Zags, some people prefer blunts.

*Wiz:* Yeah, and it's like a unity thing, too, since weed is all about being positive anyway and you have your own purpose in doing what you do. So, you know, that was what brought us together.

**So let me ask you about the new movie. As far as I know, Snoop plays kind of the weed Yoda of the high school—and Wiz, you're like Luke Non-smoker in the beginning, right?**

*Wiz:* Well, it was less about smoking, how we met—Snoop's character is just like a cooler guy. He's a 15-year senior, but he's not like dumb or anything; he's just having a really good time in high school. And my character, I'm not a straight-up nerd; I just never really experienced anything or tried anything new. So weed happens to be one of *his* things, but he's into chicks, cars—you know,

everything that comes with being a man. And then, when we meet and we become friends, the common ground that we share is the weed—that's what really breaks the ice. We have to do a project, and that's what brings us together, and then the weed is what makes us become friends, and then we really realize how much we have in common, you know, through that leaf.

**Snoop, did you have a weed mentor when you were in high school?**

*Snoop:* No, not really. My uncle just used to get down, my mom used to get down .... My uncle used to let me get the roach—they had little roach clips back in the '70s, and they used to let me come hit it, like, "Superb, come hit this shit!" (They use to call me "Superb.") I'd come hit it for a while, but I wasn't like...I didn't have nobody that just sat me down and schooled me on how to smoke, why I should smoke—that just came. At one point, I was guessin'—I was telling my homies, "Man, you all shouldn't smoke," 'cause I was an athlete. So I was always saying, basically, you know, "We shouldn't smoke, we should ball." And then, once I started smoking, I was like, "Shit—eight day a week, *fuck* ball."

**What sort of weed did you smoke back then?**

*Snoop:* We had Colombian Gold, we had Buddha Thai, Chocolate Thai, we had a sinse—Red Head Sinse—and then, when I got out of high school, that's when hydroponic came out....[*Grimacing, he pauses to comment on the Electric Lemon G*] That smell like *dog hair*.

*Wiz:* You know, I lit it and I pulled it back—

*Snoop [laughing and pounding on the table]:* He hit the shit and then he pull back off: "Hold on, this shit *ain't*



right...."

Wiz: We call this "carpet"—you know, when you drop some weed in the carpet and you pick that shit up?

Snoop [sparkling up some Liberty Haze, first-place winner of the Cannabis Cup]: This Liberty is all right—try that Liberty, y'all, see what that worth.

Wiz: Please, dude, I'm traumatized.

**This reminds me of the song "Smokin' On" from the Mac and Devin soundtrack ....**

Snoop: Thank you! [singing] "You might could smoke, but you ain't smokin' what we smokin' on...."

**Does LA have the best herb?**

Snoop: Man, by far. LA my folk—because it's open all night, it's like a 24/7 7-Eleven: You can go to the medical spot, or you can go get it from that man.

**So were you smoking real weed in the movie, or did you use Hollywood stunt weed?**

Snoop [aghast]: Hollywood stunt weed?

Wiz: Nah, see, this is a fucking Snoop Dogg film, so it ain't go down like that....

Snoop [still pondering the unintended insult]: Hollywood stunt weed? We smoke f'real!

Wiz: It was no Hollywood shit about it—he reached in his pockets and did this whole thing.

Snoop: I wanted to make my guy feel comfortable on his first time on an acting set, right?

Wiz: Yeah—and we did it how it's supposed to be done.

Snoop: That's how it's supposed to be done. I wanted him to understand that, you know, this is how we do it: If we gonna do it, we gonna do it *big*, we gonna do it *real*—so that way, if he ever wants to do it again, he understands that's the only way to do it.

**So what type of weed were you**

**smoking in the movie?**

Snoop: Oh, man, we had some power.

Wiz: He had Master Kush; I had OG Kush, I had Girl Scout Cookies....

Snoop: Purple....

Wiz: Purple, I had Cherry Pie, I had some FI....

Snoop [hitting a new sample, Moonshine Haze, first-place winner of the Sativa Cup]: Moonshine is all right.

Wiz: This is Haze, too?

Snoop: Yeah, it's Moonshine Haze—you can taste it. You see, we connoisseurs and shit. One pull is all a nigga needs.

Wiz: You can tell it's a Haze by how smoky it is, too.

Snoop: Yeah, you know, some motherfuckers, they take wine and shit, they gotta smell it and taste it and *bullshit*—don't even know what *year* it was. We know what year this shit was made *and* who made it—and all that on one pull.

Wiz: I like that power. I usually go for the taste and the smell...but the smell first. I want it to smell like it's lit before you even—

*"The weed in Amsterdam is cool, but it can't fuck with this shit out here. I don't ever get, like, high as fuck—I just be gettin' European high."*

Snoop: —pull it out the mo'fuckin' jar!

Wiz: Yeah, while it's in the book bag, I want you to be like, "Who's smoking in here, bitch?" And *that's* who's got some weed!

**So tell me how the idea for the movie came together.**

Wiz: Just like this—we were all sittin' around smokin'. Snoop was like—just based off of how cool we got,



you know, immediately—it was like, "Man, I feel a bond, and I feel like we got something special and that we should capitalize off of it and make it more than just music, make it more than just music videos. Make it a *movie*, you know what I'm saying? So, like, live with it, fall in love with us, not only as your favorite musicians but as characters in the movie—that's taking it to the next

level. *That's* being around forever!" As soon as he explained that to me, I was like, "Yeah, nigga..."

Snoop [passing a joint of Dominator, third-place winner of the Sativa Cup, to Wiz]: This is Dominator.

Wiz [singing]: Dominator ...It's got a sweet little taste to it. I'm not mad at that one.

Snoop: I'm not either. What I wanted to say is this: The weed in Amsterdam is cool, but it can't fuck with this shit out here. I don't ever get, like, high as fuck—I just be gettin' *European* high. Because before the LA Confidential came, they had that bullshit Sour Diesel—that shit ain't fuckin' real. You know I'd know...it was just pretendo. But the LA Confidential is for *real*, from *here*! It ain't from there, it's just *rooted* there, but his momma and daddy





come from here—I'll bet you that.

**So what's winning it for all of us so far? Who's in the lead?**

*Snoop:* Liberty wasn't that bad, but Dominator is dominating. [singing] Motivator, Dominator, calculator, I'm a Nator....Yeah, this is it.

**I know weed helps you creatively with your music, but how has it helped with your acting?**

*Wiz:* It just helps you feel comfortable, like to get in your zone and block everything out and really live what you're saying and be about that shit. 'Cause when we do our music, we really feel that shit, 'cause we talk about shit that we know about and that we've really seen...so that's why you get that emotion. But when you act it and you gotta

make that emotion out of nothing, the weed can make you tackle it, maybe [help you channel] some shit you seen before and you can sort of emulate. I know that's what it did for me.

*Snoop:* Yeah, it makes me feel like I'm in a regular conversation. Like right now, if we was acting, I would look at all the lines—I would look at his lines and your lines and my lines—and just like we talkin', I will play it just like the conversation... 'cause I'm so high. And I wouldn't be worrying about my lines, I'd be worrying about when you supposed to come in and when you supposed to come in [snapping his fingers], 'cause that's when I'm supposed to come in—like a regular conversation. And then it takes the hard part of acting out of learning my lines and

saying them with the dynamics that the director wants: "Man, fuck the director—I'mma say this shit the way I wanna say this shit!"

*Wiz* [lights up some Hawaiian Snow, second-place winner of the Cannabis Cup, takes a few puffs and puts it down again]: I'm ready to get outta Amsterdam.

*Snoop:* Yeah, me too, bro—this Cannabis Cup shit ain't right. [Everyone laughs.] Dominator wins by a small margin.

*Wiz:* I had to eat Skittles just to get the taste out of my mouth.

*Snoop:* It's all right. They trying real hard over there in Europe, so I can't be mad at them, because when you over there, you either get dirt or you get that.

*Wiz:* I'm spoiled.

*Snoop:* Me too. But you

gotta readjust sometimes to your environment. You gotta know how to, you know, become a creature of your environment...maximize the strengths of their weaknesses.

*Wiz:* And be able to share everything with everybody. Can't go over there and say you didn't smoke, you know what I'm saying?

*Snoop:* When me and my boys was over there, we're jumpin' at 5:30 in the morning, we're going to McDonald's to get a Sausage McMuffin with egg and cheese, hash browns, with some orange juice, you hear me? And then we get that thing that killed John Wayne—LA Confidential.

**So what do you think Mac and Devin are going to major in after they graduate high school and go to college?**



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*"I remember going to the High Times photo shoot, and getting blessed with a big-ass garbage bag full of dope. It was Chronic, when nobody had Chronic."*

**Snoop:** Well, you know I'm gonna major in my Ph.D.—Pimpin' Hos Daily, that's what I'm majoring in....

**What would you like to say to the readers of HIGH TIMES when they're picking up your Cannabis Cup issue?**

**Snoop:** I love the people who read HIGH TIMES magazine—I'm a fan, I'm a follower, I've been down with it for many years. I remember going to the HIGH TIMES photo shoot and getting blessed with a big-ass garbage bag full of dope. It was Chronic, when nobody had Chronic. They had bullshit out there then, and HIGH TIMES were the only motherfuckers who knew where it was. And I went on *The Howard Stern Show*, and I was blazing up on *Howard Stern* and I was like, "You know what? HIGH TIMES is the realest motherfucking magazine in the world!" I said it then and I say it now: You-all stay true to whattcha all do, you-all open your doors

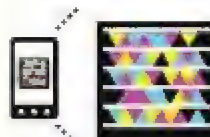
up to real people like me and Wiz, and you-all let us speak our minds, say what we feel and do what we do. At the same time, you-all educating people on that real "Mmmmm, do it!" flow.

**We love you guys. Thanks for hanging and telling us what's been on your mind.**

**Wiz:** Yeah, thank you all, man, for lettin' me be a part of the culture. I grew up on HIGH TIMES and anybody and everybody who gets into weed or marijuana or anything growing, you know what I'm saying, seeds, the manufacturing of it, but not really like selling it or anything, just really the treatment of it and how you really make it and have it right for people, anybody who gets

into that, HIGH TIMES is like a big deal for them, so just to get involved, that you guys look to us for the same inspiration that we look to y'all for. It's amazing. I appreciate it. ✨

Watch Snoop nominate  
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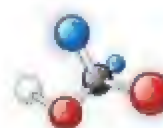
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SUBJECT: **The Weight**

FROM: **Andy C.**

🌱 Danny, I've read many growers' forums, and some people weigh their weed wet right after trimming, while others say this is a waste of time and weigh theirs only after drying and curing. So my question is: Which is better? Also, when seed shops, etc., talk about the yield of different varieties, do they mean wet or dry weight? Thanks!

Dear Andy,

Cannabis loses about 75% of its water weight during the drying and curing process. This means if you weigh your buds wet, you can get an idea of how much you'll have once it's ready to smoke: 25% of the total wet weight, so that 4 pounds wet, for example, will ultimately yield you 1 pound dry. Keep in mind that this is a rough estimate and your results may vary. Seed companies who post their yield per plant are referring to the dry weight after harvest is complete.

SUBJECT: **What Nutes and When?**

FROM: **Don L.**

🌱 First, I want to say I'm a big fan of your show on the HIGH TIMES website as well as your YouTube videos. I've been listening to your *Free Weed* show on iTunes since day one.

I live in the state of Rhode Island, where medical marijuana is legal. However, our governor refuses to grant permits to the applicants for dispensaries. That being said, I plan to grow my own but I'm a rookie at growing, having never done it before. I only have room to grow one plant at a time, and I plan on buying a small grow closet from our friend to the north in the state of Maine who was on episode seven of your show.

I know there are three different growing stages—germination, vegetation and flowering—that each use different nutrients. My questions are these: How do you know which nutrients to buy and use during each stage? How much do you put

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*Danko Tip:* Plants continue to grow after flowering is induced. This is known as the 'stretch' period, and it must be factored into the available height under your grow lights.



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in (I'll be growing in a 5-gallon clay pot)? How often do you feed the plant? Do the nutrients come in liquid form? And finally, can you recommend a DVD and/or book for a rookie like me?

In closing, thanks for your help and keep up your great work. If you want to use any of my questions for your show, please do—I would be so honored!

Dear Don,  
Thanks so much for supporting HIGH TIMES and my potcasts! Sorry to hear about the politicians in Rhode Island and their inability to accommodate the will of the voters and patients in their state, but congrats on your decision to get growing. You will soon be medicating with affordable, high-quality cannabis that you created yourself.

Nutrients are typically sold in separate

parts for the vegetative and flowering periods due to the fact that the plants' needs vary depending on their stage of growth. During the vegetative stage, roots bring up nitrogen (N) to encourage green, leafy growth, so the nutes usually say "grow" or "veg" on the bottle. Once flowering has begun, the roots will take in more phosphorous (P) and potassium (K), so bottles of this will say "bloom" or "flower" formula.

Use a bit less than the recommended dosage at first so you don't burn your young, growing plants. Always dilute nutrients with the proper amount of water and measure and adjust the pH after you've added your plant food. I recommend using organic nutrients and flushing them out with plain water for the last two weeks of flowering in order to produce the highest-quality medicine.

SUBJECT: **Vegging Males and Females**

FROM: **Craig Capone**

I have a 4' x 4' tent in which I veg my plants at least a month before I put them into my 12-bucket deep-water culture (DWC) system under 1,000 watts of light. I want to acquire seeds, but I definitely don't want to pollinate my budding plants. (The veg chamber is in my budding room, but in a reflective zipper tent.) I was wondering if I could keep the light on a 18-hour-on/6-hour-off schedule in my veg room and put in some auto-flowering males without having pollination occur with any of the females vegging in the same tent or the budding plants outside it? Also, in my tent I'm using a 400-watt metal halide (MH)—would it be as efficient to change to two 125-watt compact fluorescent (CF) lights or a four-bulb T5 lighting system?

Thanks for all of your work. You've been helping me get through some hard times here in Michigan—but we're still in the running, so don't count us out.

Dear Craig,

Good to hear that Michigan is standing strong against the recent attacks on the medical-marijuana scene there. The problem with vegging out auto-flowering males is that they will inevitably, by definition, begin flowering at a certain age regardless of the light period. If you had regular seeds and wanted to veg the males side by side with vegetating females, you could—only when the males begin to form flowers are you in danger of seeding your entire crop.

As for your lighting situation, the 400-watt MH is the light that will get you the highest yield in your tent. Any downgrade to the lights you suggest will result in a smaller harvest, although your electric bill will be smaller as well. I suggest staying with the 400-watt MH and doing a good job of venting out hot air. And don't give up the fight!

SUBJECT: **Replacing Bulbs**

FROM: **Dan1**

I have read that I'm supposed to replace my MH bulbs every year and my high-pressure sodium (HPS) bulbs every two. I use the MH lights two to three months out of the year, so should I replace the bulbs when I've accumulated 12 months of use?



**Nebula**





*Danko Tip:* Leaves that slowly turn yellow over time are most likely showing a nitrogen deficiency. Add a good dose of N-heavy nutes to green them up.

Dear Dan1,  
You are correct: You should replace the bulbs after 12 months of actual use. For you, this would add up to four years of using your MH bulbs for three months out of each year. After four years, you should replace the bulbs with new ones to avoid decreasing the amount of lumens your plants receive.

SUBJECT: **Flushed Out**

FROM: **S & S**

Hey! Thought you could answer a few questions. I grow outdoors near Seattle and just started getting sugar-coating. I've been looking at your current issue (Nov. '11) and noticed the expert grow tips. The plants are doing fine in my greenhouse—a nice *sativa* strain (my own blend of Hawaiian and something else that grew fabulous), plus no pests this year! They're real beauties, but I don't want to flush too soon or too late. How do I know when to start flushing? Do I flush as soon as I see trichomes, or as soon as they get milky (which is when to pick and harvest, it seems)? Or would that be flushing too late?

Question No. 2: When I'm growing and looking to weed out the males (I've gotten pretty good at sexing so far!), is there any reason to use them? I've just been heaping them into the ground as compost, but are they any good for making butter? I did use my hermies for butter last year and that didn't hurt. Any thoughts?

Dear S & S,  
Knowing when to start flushing your plants with plain water instead of nutrient solution is very important—too soon and you might stifle yields by not packing on weight during the crucial middle stage of flowering, when essential-oil production is at its peak; too late and your buds will taste harsh and burn improperly.

The key to understanding when to start flushing is to know your plant's natural harvest schedule. If you plan to harvest on October 15, then begin the flushing on October 1 or so. Two weeks is the perfect amount of time to flush outdoor pot, so knowing when your strain typically finishes is paramount. If your seeds are listed as 60-day flowering, you should start the flush 14 days prior to when the full budding period has ended.



Young plants in this grow closet will soon fill up the vertical space above.

The trichomes should be well-formed and bulbous, but mostly clear; they will cloud up closer to harvest time.

Males are fairly useless for making butter—it's better to just continue what you're doing and compost them after you determine that they are indeed male plants.

SUBJECT: **Acid King**

FROM: **Evil Oden**

First things first: Shout-out to you and HIGH TIMES! I got to meet you at the 23rd Annual Cannabis Cup in Amsterdam, which is one less thing on my bucket list. Now for my question: I had water with a pH of 6.4. I ran it through my soil and then tested it, and it came in at 5.3. Is this a sign that my soil is too acidic? I'm using FoxFarm Ocean Soil, which I cut with peat moss and coarse sand.

Dear Evil,  
Your soil is definitely too acidic if the wastewater tests out at 5.3 after going in at 6.4. You need to adjust your soil mix and bring up the pH by a point or so. Fine dolomitic lime is a great buffer, and adding it to the top in powdered form or diluting it with water and pouring it in will slowly bring up the pH to a reasonable level.

You can also use store-bought pH Up mix, but keep in mind that it's highly

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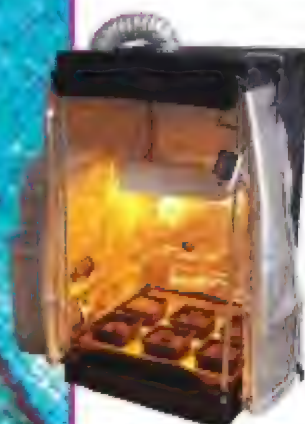
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*Danko Tip:* Store seeds in a cool, dark place, preferably with a desiccant pack or some uncooked rice to keep them dry.

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concentrated, which means you should dilute it properly and use it slowly in small batches to avoid raising the pH too high and damaging your plants' growth further. Also, get yourself a cheap soil pH tester and keep it handy to make sure your acidity/alkalinity level doesn't fluctuate in the future.

SUBJECT: **Ozone Layer**

FROM **Foggy**

¡Hola! In an effort to keep the smell down, I've been running a ozone machine in my room, but now my girls don't look so good. My question: Is more ozone good or bad?

Dear Foggy,

It's doubtful that the higher level of ozone you're providing to keep odors under control is damaging your plants—it's more likely that the plants are suffering due to some other problem in your grow space. But it's also probably best to keep the ozone generator going in an adjoining room rather than directly inside your growroom. 🌱



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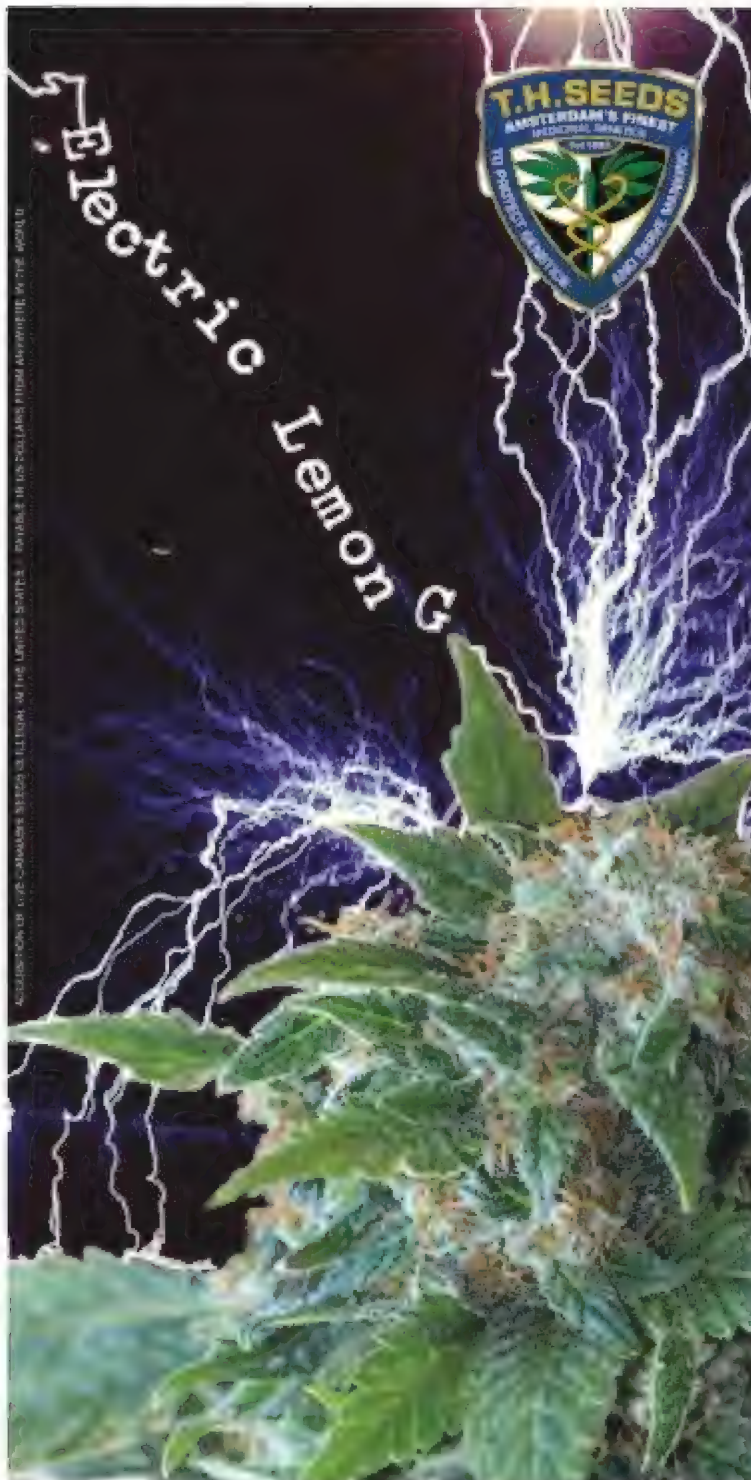
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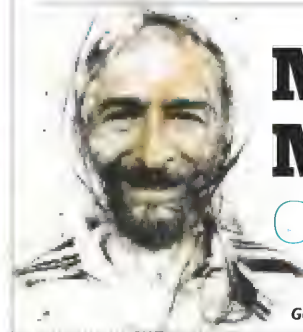
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## Mind Over Motor

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Got a question for Dr. Mitch? Email him at [420research@gmail.com](mailto:420research@gmail.com).

My neighbor says some new study shows that using weed hurts memory even when you're not high. Is this true?

—Frank Morgan

Hi Frank,  
Australian researchers gave memory tests to almost 2,000 people and found little difference between those who used the plant and those didn't (as long as folks weren't high when they were trying to learn something new). The search for a memory deficit in heavy users who aren't high at the time of the test has been so fruitless that I honestly can't imagine a need for more research in this area.

Can exercise lower my weed bill?

—Catherine Z.

Hi Catherine,  
In a word: Yes. Vanderbilt University research shows that as little as five, half-hour sessions on the treadmill at about 65 percent of maximum heart rate (220-your age), decreases cravings for cannabis in folks who use a lot, but weren't interested in any sort of "dependence" treatment.

What's the story with fewer traffic fatalities in medical marijuana states?

—Ray Bolger

Hi Ray,  
It's true: Fatal traffic accidents drop almost 9 percent after a state passes a medical marijuana law. And after the law goes into effect, the number of alcoholic drinks consumed per person and the number of traffic accidents involving alcohol also take a meaningful drop. Looks like medical marijuana can help



Med marijuana:  
Smooth traffic

Traffic accident fatalities drop almost 9 percent after a state passes a medical marijuana law.

limit traffic deaths, and these data confirm what we've all been saying for decades: Don't drink and drive.

I feel like marijuana is helping my meditation, but I wonder if it's all in my head.

—Maya

Hi Maya,  
Marijuana and meditation have been linked for centuries. Many experienced users who also meditate say that marijuana can be like "training wheels" for meditation, suggesting that the plant assists in the practice. In contrast, some Transcendental Meditation fans claim that it's hard to learn to meditate if you're high, and a recent study of women who wanted to smoke less marijuana showed that they were less likely to use the plant on days when they meditated. Still, it sounds as if both can lead us to the same place. ✨

Mitch Earleywine, Ph.D is an associate professor of psychology at SUNY Albany. He is the author of *Understanding Marijuana* and *The Parents' Guide to Marijuana*.





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## Reflections on the Brotherhood

Psychedelic pioneers join the Counterculture Hall of Fame.

*"Yes, we changed the world, and we can be humbly proud of that. And I am so grateful, as I know you are, to be part and parcel of this sacred movement."*

—High Priestess Carol Griggs Randall at the opening ceremonies for the 24th Cannabis Cup

THE 420 CEREMONIES at the Cannabis Cup are designed to honor the Counterculture Hall of Fame inductee. In 2011, that person was John Griggs, founder of the Brotherhood of Eternal Love. Griggs was an authentic working-class hero, a former street punk whose heart had been opened by his first dose of LSD. Unfortunately, he died in 1969, just as his visions were becoming a reality, and the details of his death have always been murky for me. His wife, Carol, was the only true witness, and she has never spoken publicly about the event.

Carol presided over this year's Cup with her children and her second husband, Michael Randall, who was Griggs's closest friend. Also in attendance was Travis Ashbrook, a core member of the group and the first of many to travel to Afghanistan.

Since I'd never met anyone from the Brotherhood, I had no idea what to expect, but it was certainly an honor to watch these vibe masters in action. Carol fell into her role as high priestess with tremendous flair. Her improvisational poetry became the dramatic highlight of almost every ceremony for the rest of the week, and her attention to costume and jewelry set a standard that will likely never be surpassed. It seemed that Carol had a different psychedelic tiara for almost every 420 ceremony. I later found out she creates her own line of custom jewelry for a store that Michael runs in San Anselmo, California, called Reflections.

The most important thing I learned was that the Brotherhood are tired of being labeled as the "Hippie Mafia." Yes, they were the biggest suppliers of LSD and cannabis at the time, but they viewed them as ceremonial sacraments that they had an obligation to spread far and wide. The nonviolent culture that the Brotherhood created and continue to live to this day is a far more significant legacy, and the one for which they wish to be remembered. Travis believes that the first hippies appeared in San Francisco as psychedelic hitchhikers coming from the East. The

Brotherhood made their own appearance very soon thereafter around Anaheim and Laguna Beach, although unlike their footloose San Francisco counterparts, these were working-class hippies with jobs and families.

One afternoon, I got to sit down with Carol and hear the painful story of John's final hours. It was an



John Griggs ca. 1969

Unlike their footloose San Francisco counterparts, these were working-class hippies with jobs and families to take care of.

intense experience. After having taken a normal dose of synthetic psilocybin, John announced early that evening that his life would be over by the following morning. Knowing her husband's powers of prophecy, Carol told him that she couldn't stand to be left alone without him. "Then who's going to take care of my babies?" John asked.

"That was me, so I made my promise," Carol recalled tearfully.

Several hours later, when they pulled up at the nearest hospital, John sat up, looked at Carol and shook his head, as if to say it was too late. His lungs had already filled with fluid, and by the time he was taken into the emergency room, he was pronounced dead on arrival.

The hippie counterculture lost its brightest shining star that morning, and I hope that we rediscover it—and him—someday. 🌱



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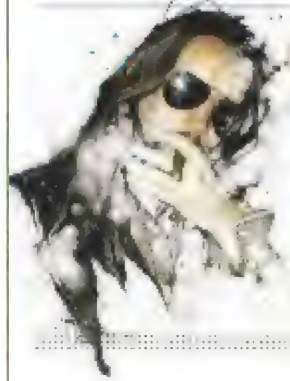




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## Wall Street Blues

The 99 percent occupied America's streets, parks and ports—now it's time for us to occupy Congress.

**A**FTER 2008'S FINANCIAL collapse and the subsequent TARP bailout, a populist anger arose in America—anger that people's pensions, homes and savings had been greedily gambled away by unethical Wall Street profiteers; anger that billions of our tax dollars were then handed over to these “too big to fail” banks, supposedly to stabilize the economy, but instead were used to pad their bonuses and fill their coffers. Finally, it seemed like regular folks were wising up and fighting back. But then Fox News hijacked that uprising

library. While there, I met a cool stoner dude who went by the handle of Hy-Dro. He and his pals (who called themselves the “Gentlemen”) invited me into their “penthouse” tent for a joint and a chat.

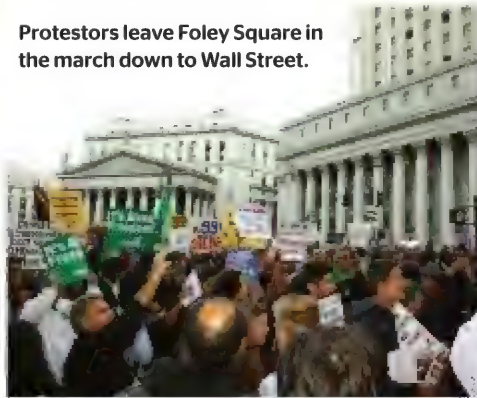
“I have a wife and three kids at home in Queens,” Hy-Dro told me, “but they support what I’m doing. I’m here for their future.”

Just three days later, NYPD in riot gear swarmed in overnight and forcibly cleared out the park. Those copies of HIGH TIMES, like so many of the Occupiers’ books and possessions, ended up in a big trash heap at a Department of Sanitation depot. Thankfully, despite these often-violent police raids across the country, the movement continues to grow. But just raising awareness of these injustices isn’t enough; to bring about real change, OWS—like the Tea Party—must shift from mere protest to political action. Now it seems some of them are doing just that.

The 99% Declaration Working Group is an organization compiling the many concerns and demands of OWS into a comprehensive list. In March, they plan to elect delegates from every congressional district to a National General Assembly, which on Independence Day will then draft an official petition for a redress of grievances, to be presented to all three branches of government. If our elected officials do not respond satisfactorily to this petition during the 2012 election cycle, the group says they’ll establish a new, independent political party and run their own candidates in 2014. I’m seriously considering running to become one of those delegates.

Make no mistake: There most definitely is a class war going on in this country—and the one percent are winning it. If we don’t stand up and take back our democracy from corporate greed now, there will be a lot more people sleeping on the streets—and not by choice. We are the middle class, the rational, compassionate, moderate majority, and we’ve had enough. We are the 99 percent, and we’re definitely too big to fail. ✨

Protestors leave Foley Square in the march down to Wall Street.



Make no mistake: there most definitely is a class war going on in this country—and the one percent are winning it.

and, in a mind-blowing feat of propagandistic doublethink, redirected the rage away from those who caused the Great Recession to the very people trying to dig us out of it: the Obama administration. Somehow, the GOP had once again tricked blue-collar America into rallying against its own financial self-interests. And thus the Tea Party was born.

In many ways, the Occupy Wall Street movement is the left’s answer to the Tea Party, and I, for one, support it 420 percent. On October 5, during week three of the protest, I went to Foley Square near City Hall and marched with the Occupiers and labor unions down to Wall Street in protest. Then, on November 11, the HT staff all headed over to the OWS encampment at Zuccotti Park to show our support and donate some magazines to their





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# Get Behind The Initiatives

State efforts to legalize cannabis may be the surest path to ending pot prohibition.

Allen St. Pierre is the executive director of NORML. Visit [norml.org](http://norml.org)

*"We are all Washingtonians and Coloradoans!"*

**T**HAT'S THE CLARION call this year, as both Washington and Colorado have the chance to become the first of our 50 states to legalize ganja. After a valiant and largely grassroots effort in 2010 failed by only three percentage points to legalize adult cannabis use in California via Proposition 19, new legalization efforts are underway in the form of binding voter initiatives in three separate states: Washington, Colorado and (for medical use only) Massachusetts.

To be sure, there are other pro-reform initiatives being proposed in places like Oregon, Missouri, Michigan and California once again. But if the past is prologue, none of these grassroots efforts will make it to the ballot absent institutional support from one or more of a triumvirate of billionaires who have supported marijuana law reform efforts in the past: financier George Soros, former insurance executive Peter Lewis and private university founder John Sperling.

Many lessons were learned from Prop. 19's close vote that are now being applied to Washington and Colorado, including new, focus-group-tested messaging to educate the general public on the wisdom of ending pot



We in the reform and consumer community must still double down to reach the political finish line.

prohibition, and strategic compromises such as addressing voter concerns about impaired driving in the Washington legalization initiative. (Massachusetts's

medical cannabis initiative is expected to pass easily, perhaps even surpassing the 65 percent voter support that the state's decriminalization initiative received in 2008.)

At the same time, all of these initiatives are imperfect vehicles containing one or more "reforms" that many advocacy organizations, medical patients, cannabis consumers, cultivators and retailers oppose and wouldn't advance otherwise. But as the maxim advises, we should never let the perfect be the enemy of the good. Any new initiative that moves marijuana law reform toward its ultimate goal of making cannabis legal for adults to possess, sell and cultivate—thereby ending a legacy of millions of senseless arrests—should be supported.

The importance of states progressing from decriminalization to medicalization and then to legalization can't be overstated; it's the most politically expedient manner by which genuine cannabis law reform occurs. Congress, of course, continues to be held in the grip of "reefer madness," which is why it behooves us all to support these nascent state efforts to legalize the sacred herb, breaking the federal government's hegemony. The *New York Times*' resident statistician, Nate Silver, estimates that by 2021, 60 percent of Americans will support cannabis legalization. While that's an encouraging trend, we're obviously not there yet—which is why we in the reform and consumer community must still double down to reach the political finish line.

If Supreme Court Justice Louis Brandeis was correct that "the states are the laboratories of democracy" in this nation—and if the Ninth and Tenth Amendments have any *real* meaning—then we need to support these state-by-state efforts to legalize cannabis. In the end, they may prove the surest path to forcing the repudiation of our eight-decade-old policy of federal cannabis prohibition, which continues to demonstrate its utter failure every single day. 🌿

## FREEDOM FIGHTER

by Erik Altieri, NORML communications coordinator

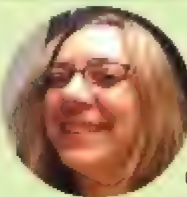
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An SSDP alum goes back to her grassroots.

Amber Langston grew up in Missouri, the "Show-Me State," and graduated from the University of Missouri in Columbia in 2003. While studying for an advanced degree in rural sociology the following year, she held two positions: head of the university's SSDP chapter, and campaign manager for the Columbia Alliance for Patients and Education. These two positions enabled

her to play a vital role in the successful efforts to pass decriminalization and medical marijuana initiatives at the municipal level. For her efforts, Amber was elected to the SSDP board of directors in 2006.

She relocated to Washington, DC, in 2008 and served as SSDP's national and then regional coordinator until 2010. She went on to serve as interim international liaison, traveling to Vancouver, Buenos Aires and Bogotá to represent the organization.



Throughout 2010, Amber worked in a variety of positions in the marijuana law reform community, including as media liaison for Proposition 19 in California and field consultant for Americans for Safe Access. Now she's back in Missouri, helping to organize a marijuana legalization initiative. Amber is currently working as the campaign director for Show Me Cannabis Regulation in Kansas City, where she hopes to show the rest of the country that Missouri is a leader in cannabis law reform.





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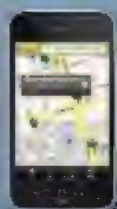


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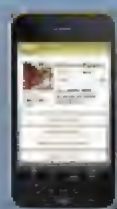
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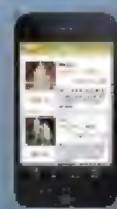
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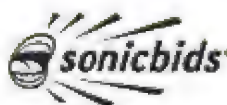
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### FLOWER OF THE MONTH

#### Motor City Madness



This plant was grown outdoors here in Michigan organically in Roots Organic. It's a White Widow x Blg Bud cross. It grew to 8 1/2' tall and harvested 1 1/2 lbs. Thanks a lot and I'd really appreciate to have these in the magazine. It would be a great honor. Thank you. —Craig Capone in Detroit "313"



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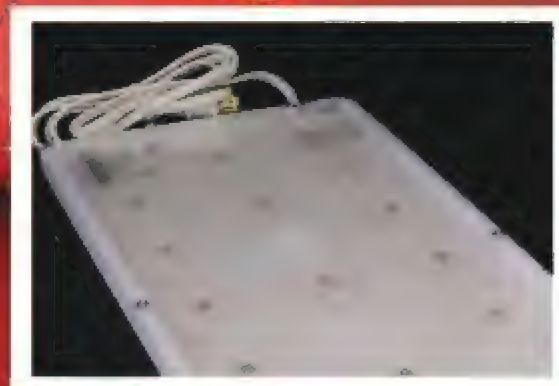
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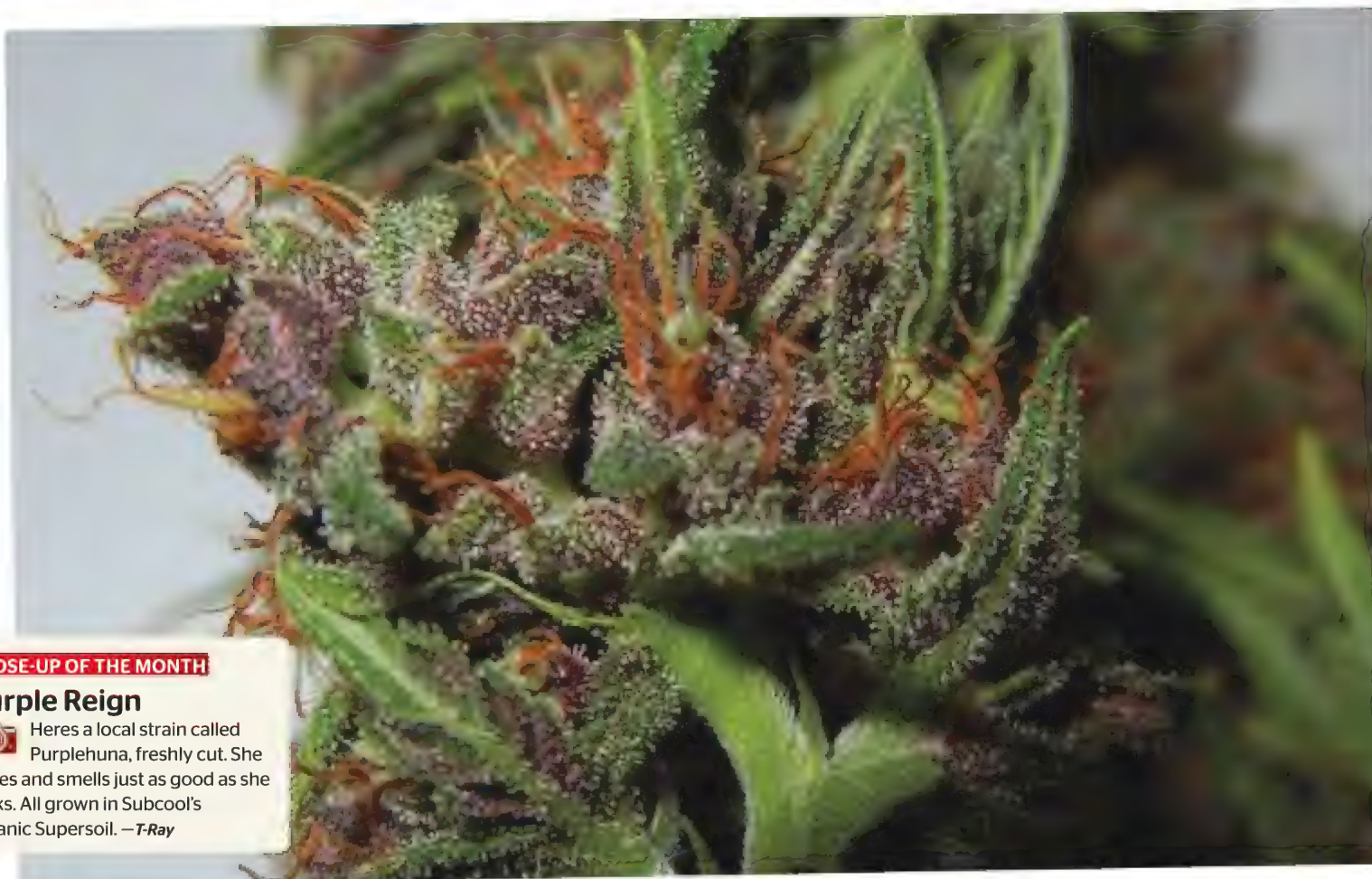
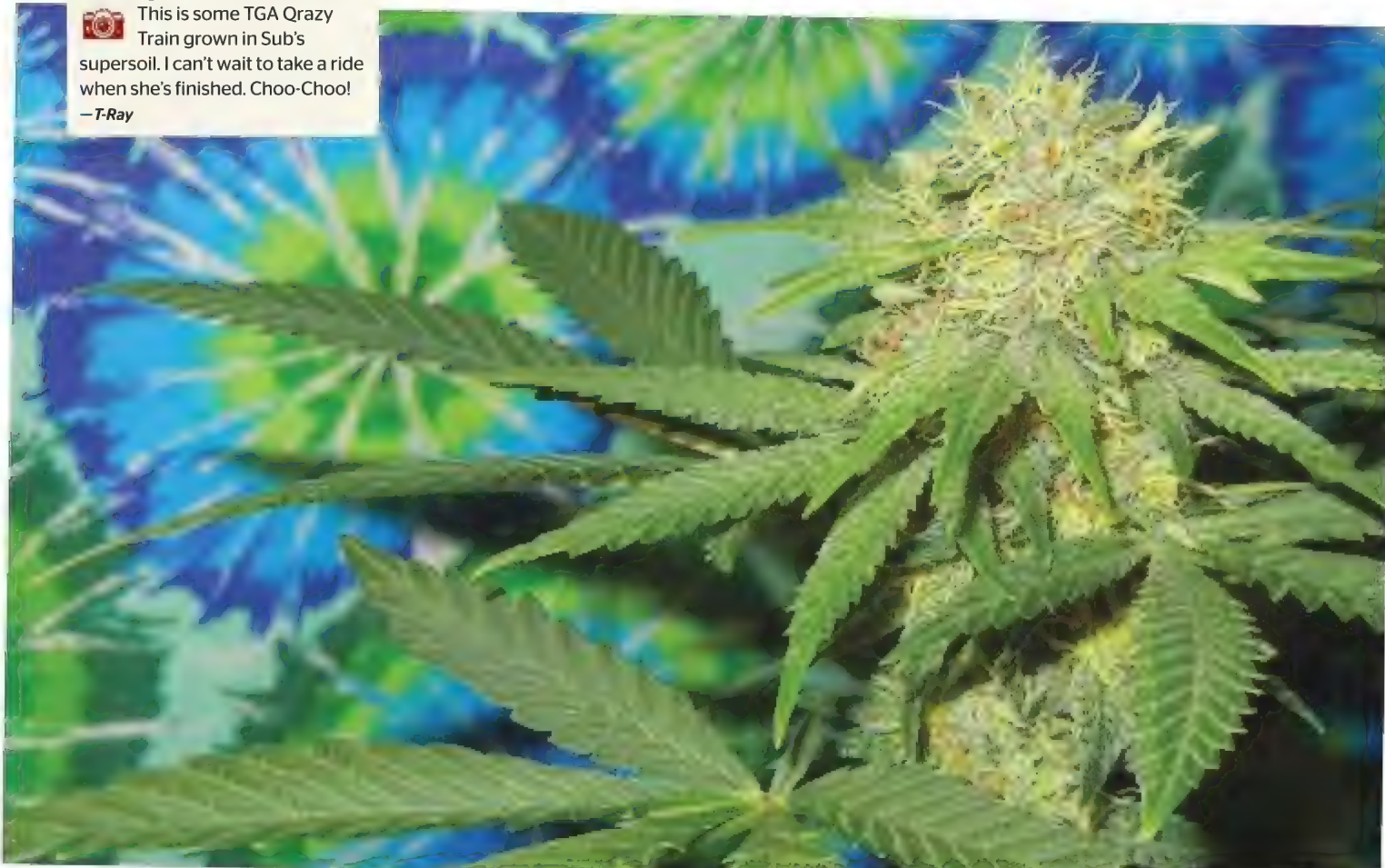


## COLA OF THE MONTH

## Going Off the Rails


 This is some TGA Crazy Train grown in Sub's supersoil. I can't wait to take a ride when she's finished. Choo-Choo!

—T-Ray



## CLOSE-UP OF THE MONTH

## Purple Reign

 Heres a local strain called Purplehuna, freshly cut. She tastes and smells just as good as she looks. All grown in Subcool's organic Supersoil. —T-Ray



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**GARDEN OF THE MONTH****Chronic and Tubs**

Check out my backyard bonanza of Green Kush all grown in Barstow, CA! The high desert can produce quite a bunch of bud under the right conditions. —JD

**STONER OF THE MONTH****Colorado Colas**

This is a pic of some colas of my Lavender. She finished very smooth and stops body aches, allowing me to sleep like a rock. We concentrated on *indicas* for the medical relief and sleep. Some say the Colorado Rockies can't grow as the season is too short. Well, we beg to differ! Tons of love from Colorado where even as a legal patient, I still must hide. Photo shot by Shitzu.

—Uncle Boney

**HARVEST OF THE MONTH****Full Mental Nugget**

This is my White Diesel. There are many others like it, but this one is mine. My White Diesel is my best friend. It is my life. I must master it as I must master my life.

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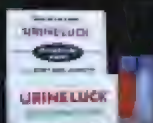
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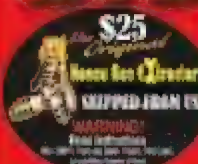


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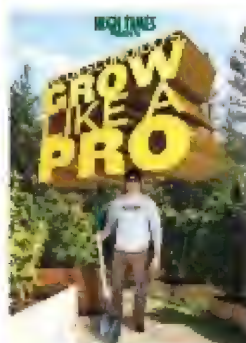
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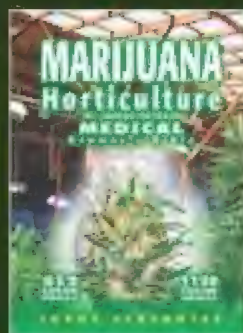
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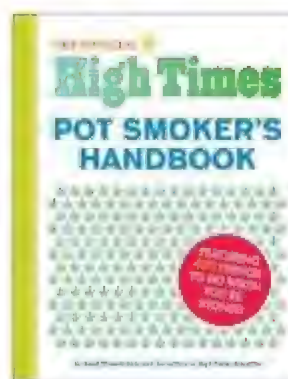
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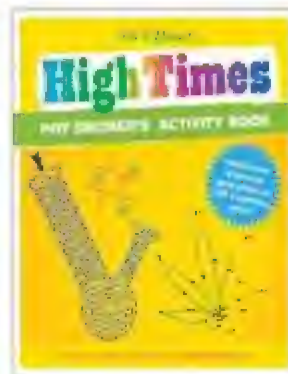
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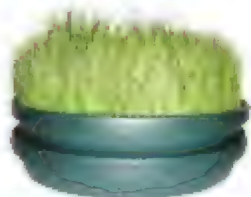
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The poster features a central illustration of a silver trophy cup filled with green cannabis buds. A single cannabis leaf is positioned in front of the cup. The background is a stylized American flag with stars and stripes. At the bottom, there are green cannabis plants.

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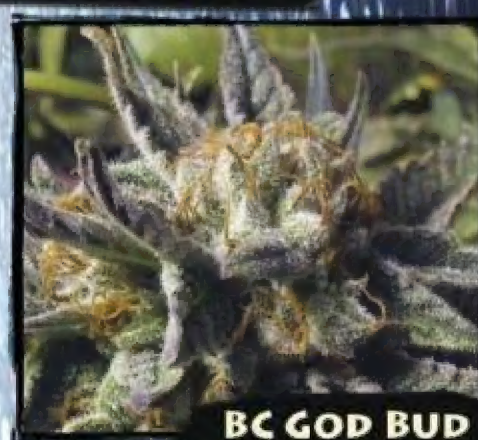
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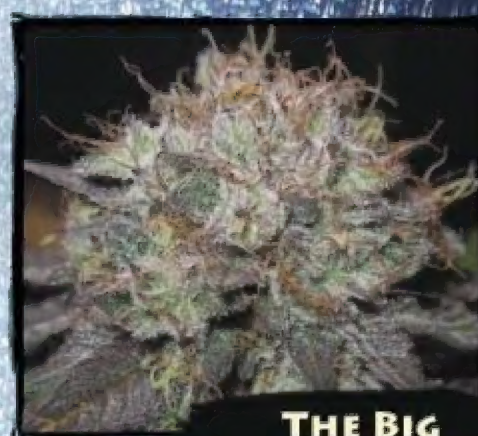
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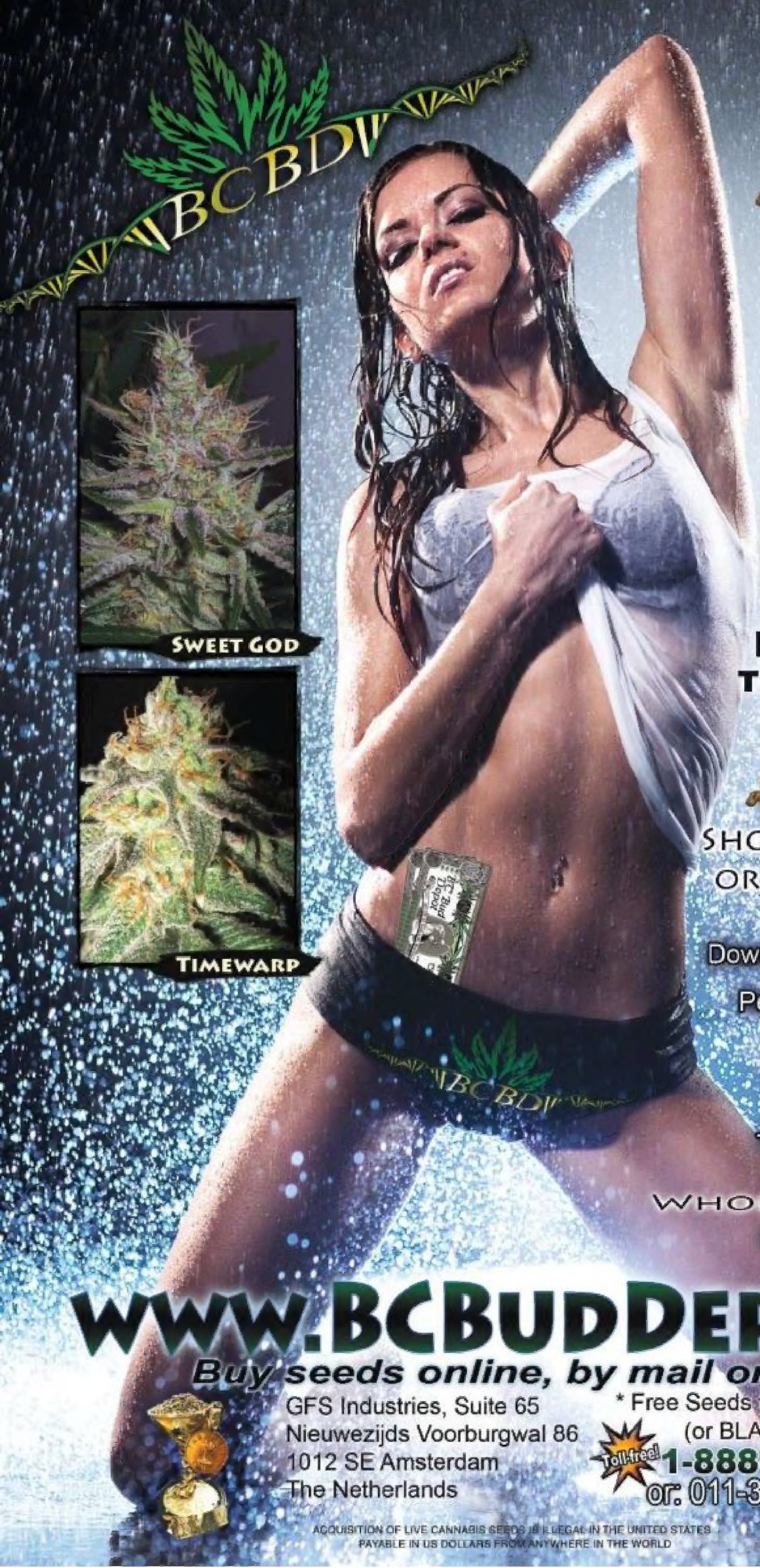


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